

Known Bioactive Library: Selleck Bioactive 10mM, 3.33mM, 1.11mM

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3651 / 3658 / 3665	A03	S1011	Afatinib (BIBW2992)	199	Protein Tyrosine Kinase	EGFR,HER2	Afatinib (BIBW2992) irreversibly inhibits EGFR/HER2 including EGFR(wt), EGFR(L858R), EGFR(L858R/T790M) and HER2 with IC50 of 0.5 nM, 0.4 nM, 10 nM and 14 nM, respectively; 100-fold more active against Gefitinib-resistant L858R-T790M EGFR mutant. Phase 3.	439081-18-2	free base	http://www.selleckchem.com/products/BIBW2992.html
3651 / 3658 / 3665	A04	S1888	Deflazacort	199	Others	Others	Deflazacort(Calcort) is a glucocorticoid used as an anti-inflammatory and immunosuppressant.	14484-47-0	free base	http://www.selleckchem.com/products/Deflazacor.html
3651 / 3658 / 3665	A05	S1198	Irinotecan	17	DNA Damage	Topoisomerase	Irinotecan is a topoisomerase I inhibitor for LoVo cells and HT-29 cells with IC50 of 15.8 µM and 5.17 µM, respectively.	97682-44-5	free base	http://www.selleckchem.com/products/Irinotecan.html
3651 / 3658 / 3665	A06	S1941	Enalapril Maleate	201	Endocrinology & Hormones	RAAS	Enalapril Maleate, the active metabolite of enalapril, competes with angiotensin I for binding at the angiotensin-converting enzyme, blocking the conversion of angiotensin I to angiotensin II.	76095-16-4	maleate	http://www.selleckchem.com/products/Enalapril-maleate(Vasotec).html
3651 / 3658 / 3665	A07	S1274	BX-795	169	PI3K/Akt/mTOR	IκB/IKK,PKD-1	BX795 is a potent and specific PDK1 inhibitor with IC50 of 6 nM, 140- and 1600-fold more selective for PDK1 than PKA and PKC, respectively. Meanwhile, in comparison to GSK3β more than 100-fold selectivity observed for PDK1.	702675-74-9	free base	http://www.selleckchem.com/products/bx-795.html
3651 / 3658 / 3665	A08	S2013	PF-573228	52	Angiogenesis	FAK	PF-573228 is an ATP-competitive inhibitor of FAK with IC50 of 4 nM, ~50- to 250-fold selective for FAK than Pyk2, CDK1/7 and GSK-3β.	869288-64-2	free base	http://www.selleckchem.com/products/pf-573228.html
3651 / 3658 / 3665	A09	S1343	Ginkgolide B	200	Others	PAFR	Ginkgolide B is a PAFR antagonist with IC50 of 3.6 µM.	15291-77-7	free base	http://www.selleckchem.com/products/Ginkgolide-B.html
3651 / 3658 / 3665	A10	S2054	Orphenadrine Citrate	199	Neuronal Signaling	AChR	Orphenadrine citrate is a skeletal muscle relaxant, it acts in the central nervous system to produce its muscle relaxant effects.	4682-36-4	citrate	http://www.selleckchem.com/products/orphenadrine-citrate-norflex.html
3651 / 3658 / 3665	A11	S1389	Omeprazole	199	Transmembrane Transporters	Autophagy,Proton Pump	Omeprazole(PriLOSEC) is a proton pump inhibitor used in the treatment of dyspepsia.	73590-58-6	free base	http://www.selleckchem.com/products/Omeprazole.html
3651 / 3658 / 3665	A12	S2096	Almotriptan Malate	200	Neuronal Signaling	5-HT Receptor	Almotriptan Malate is a selective 5-hydroxytryptamine1B/1D (5-HT1B/1D) receptor agonist, used for the treatment of Migraine attacks in adults.	181183-52-8	malate	http://www.selleckchem.com/products/almotriptan-malate-axert.html
3651 / 3658 / 3665	A13	S1544	AM1241	200	GPCR & G Protein	Cannabinoid Receptor	AM-1241 is a selective cannabinoid CB2 receptor agonist with Ki of 3.4 nM, exhibits 82-fold selectivity over CB1 receptor.	444912-48-5	free base	http://www.selleckchem.com/products/AM-1241.html
3651 / 3658 / 3665	A14	S2153	CGS 21680 HCl	199	Angiogenesis	5-alpha Reductase	CGS 21680 HCl is an adenosine A2 receptor agonist with IC50 of 22 nM, exhibits 140-fold over A1 receptor.	124431-80-7	hydrochloride	http://www.selleckchem.com/products/CGS-21680-hydrochloride.html
3651 / 3658 / 3665	A15	S1638	Ibuprofen	198	Neuronal Signaling	COX	Ibuprofen (Dolgesic) is an anti-inflammatory inhibitor targeting COX-1 and COX-2 with IC50 of 13 µM and 370 µM, respectively.	15687-27-1	free base	http://www.selleckchem.com/products/Ibuprofen(A-dvil).html
3651 / 3658 / 3665	A16	S2217	Irinotecan HCl Trihydrate	199	DNA Damage	Topoisomerase	Irinotecan prevents DNA from unwinding by inhibition of topoisomerase 1.	136572-09-3	hydrate	http://www.selleckchem.com/products/Irinotecan-HCl-Trihydrate-Campto.html
3651 / 3658 / 3665	A17	S1696	Hydrocortisone	201	Others	Others	Hydrocortisone is a steroid hormone or glucocorticoid produced by the adrenal gland.	50-23-7	free base	http://www.selleckchem.com/products/Hydrocortisone.html
3651 / 3658 / 3665	A18	S2293	DL-Carnitine HCl	202	Others	Others	DL-Carnitine hydrochloride is a quaternary ammonium compound biosynthesized from the amino acids lysine and methionine.	461-05-2	hydrochloride	http://www.selleckchem.com/products/DL-Carnitine-hydrochloride.html
3651 / 3658 / 3665	A19	S1763	Quetiapine Fumarate	40	Neuronal Signaling	Dopamine Receptor	Quetiapine fumarate(Seroquel) is an atypical antipsychotic used in the treatment of schizophrenia, bipolar I mania, bipolar II depression, bipolar I depression.	111974-72-2	fumarate	http://www.selleckchem.com/products/Quetiapine-fumarate(Seroquel).html
3651 / 3658 / 3665	A20	S2327	Myricitrin	200	Others	Others	Myricitrin, a flavonoid compound isolated from the root bark of Myrica cerifera, which exerts antinociceptive effects.	17912-87-7	free base	http://www.selleckchem.com/products/Myricitrin(Myricitrine).html
3651 / 3658 / 3665	A21	S1829	Pranlukast	22	Others	Others	Pranlukast is a selective cysteinyl leukotriene receptor antagonist.	103177-37-3	free base	http://www.selleckchem.com/products/pranlukast.html

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3651 / 3658 / 3665	A22	S2363	Tangeretin	21	Others	Others	Tangeretin, a natural polymethoxylated flavone concentrated in the peel of citrus fruits, is known to have antiproliferative, antiinvasive, antimetastatic and antioxidant activities.	481-53-8	free base	http://www.selleckchem.com/products/Tangeretin(Tangeretin).html
3651 / 3658 / 3665	B03	S2393	Sorbitol	197	Others	Others	Sorbitol is a sugar alcohol and a sugar substitute.	50-70-4	free base	http://www.selleckchem.com/products/Sorbitol(Glucitol).html
3651 / 3658 / 3665	B04	S2872	GW5074	199	MAPK	Raf	GW5074 is a potent and selective c-Raf inhibitor with IC50 of 9 nM, no effect on the activities of JNK1/2/3, MEK1, MKK6/7, CDK1/2, c-Src, p38 MAP, VEGFR2 or c-Fms is noted.	220904-83-6	free base	http://www.selleckchem.com/products/gw5074.html
3651 / 3658 / 3665	B05	S2450	Equol	198	Endocrinology & Hormones	Estrogen/progesterone Receptor	Equol, a metabolite of soybeans, is an important isoflavone in humans, specifically binds to 5 α -DHT, has a modest affinity for recombinant estrogen receptor ER β . Phase 2.	531-95-3	free base	http://www.selleckchem.com/products/equol.html
3651 / 3658 / 3665	B06	S2886	PJ34	94	DNA Damage	PARP	PJ-34 is a PARP inhibitor with EC50 of 20 nM and is equally potent to PARP1/2.	344458-19-1	hydrochloride	http://www.selleckchem.com/products/pj34.html
3651 / 3658 / 3665	B07	S2532	L-Ascorbyl 6-palmitate	200	Others	Others	Ascorbyl palmitate is an ester formed from ascorbic acid and palmitic acid creating a fat-soluble form of vitamin C.	137-66-6	free base	http://www.selleckchem.com/products/L-Ascorbyl-6-palmitate.html
3651 / 3658 / 3665	B08	S2900	Cobicistat (GS-9350)	10	Metabolism	P450 (e.g. CYP17)	Cobicistat (GS-9350) is a potent and selective inhibitor of CYP3A with IC50 of 30-285 nM.	1004316-88-4	free base	http://www.selleckchem.com/products/cobicistat-gs-9350.html
3651 / 3658 / 3665	B09	S2585	Brompheniramine hydrogen maleate	10	Neuronal Signaling	Histamine Receptor	Brompheniramine hydrogen maleate is a histamine H1 receptors antagonist	980-71-2	maleate	http://www.selleckchem.com/products/brompheniramine.html
3651 / 3658 / 3665	B10	S2910	Tempol	197	Others	Others	TEMPOL is a superoxide scavenger that displays neuroprotective, anti-inflammatory and analgesic effects.	2226-96-2	free base	http://www.selleckchem.com/products/tempol-4-hydroxy-tempo.html
3651 / 3658 / 3665	B11	S2691	BMY 7378	200	Neuronal Signaling	5-HT Receptor	BMY 7378 is a multi-targeted inhibitor of α 2C-adrenoceptor and α 1D-adrenoceptor with pKi of 6.54 and 8.2, respectively, and acts as a mixed agonist and antagonist for 5-HT1A receptor with pKi of 8.3.	21102-95-4	dihydrochloride	http://www.selleckchem.com/products/bmy-7378.html
3651 / 3658 / 3665	B12	S2919	IOX2	19	Angiogenesis	HIF	IOX2 is a potent inhibitor of HIF-1 α prolyl hydroxylase-2 (PHD2) with IC50 of 21 nM, >100-fold selectivity over JMJD2A, JMJD2C, JMJD2E, JMJD3, or the 2OG oxygenase FIH.	931398-72-0	free base	http://www.selleckchem.com/products/iox2.html
3651 / 3658 / 3665	B13	S2804	Sirtinol	58	Epigenetics	Sirtuin	Sirtinol is a specific SIRT1 and SIRT2 inhibitor with IC50 of 131 μ M and 38 μ M, respectively.	410536-97-9	free base	http://www.selleckchem.com/products/sirtinol.html
3651 / 3658 / 3665	B14	S2930	Pifithrin- μ	198	Apoptosis	p53	Pifithrin- μ is a specific p53 inhibitor by reducing its affinity to Bcl-xL and Bcl-2, and also inhibits HSP70 function and autophagy.	64984-31-2	free base	http://www.selleckchem.com/products/pifithrin-u.html
3651 / 3658 / 3665	B15	S2819	AM251	72	GPCR & G Protein	Cannabinoid Receptor	AM251 block the inhibitory effects of endocannabinoids and synthetic cannabinoid agonists on transmitter release through an action at presynaptic cannabinoid 1 receptors in brain.	183232-66-8	free base	http://www.selleckchem.com/products/am251.html
3651 / 3658 / 3665	B16	S3038	Fosaprepitant dimeglumine salt	200	Others	Others	Fosaprepitant is a water-soluble phosphoryl prodrug for Aprepitant which is a NK1 antagonist.	265121-04-8	meglumine	http://www.selleckchem.com/products/fosaprepitant.html
3651 / 3658 / 3665	B17	S2842	SAR131675	83	Protein Tyrosine Kinase	VEGFR	SAR131675 is a VEGFR3 inhibitor with IC50/Ki of 23 nM/12 nM, about 50- and 10-fold more selective for VEGFR3 than VEGFR1/2, little activity against Akt1, CDKs, PLK1, EGFR, IGF-1R, c-Met, Flt2 etc.	1433953-83-3	free base	http://www.selleckchem.com/products/sar131675.html
3651 / 3658 / 3665	B18	S3052	Rupatadine Fumarate	16	Neuronal Signaling	Histamine Receptor	Rupatadine is an inhibitor of PAFR and histamine (H1) receptor with Ki of 550 nM and 102 nM, respectively. Phase 2.	182349-12-8	fumarate	http://www.selleckchem.com/products/rupatadine-fumarate.html
3651 / 3658 / 3665	B19	S2855	MRS 2578	88	Neuronal Signaling	P2 Receptor	MRS2578 is a potent P2Y6 receptor antagonist with IC50 of 37 nM, exhibits insignificant activity at P2Y1, P2Y2, P2Y4, and P2Y11 receptors.	711019-86-2	free base	http://www.selleckchem.com/products/mrs-2578.html
3651 / 3658 / 3665	B20	S3067	Chlorhexidine HCl	100	Others	Others	Chlorhexidine hydrochloride is an antiseptic effective against a wide variety of gram-negative and gram-positive organisms.	3697-42-5	HCl	www.selleckchem.com/products/chlorhexidine-hcl.html
3651 / 3658 / 3665	B21	S2863	ML130 (Nodinitib-1)	198	NF- κ B	NOD1	ML130 is a potent and selective inhibitor of NOD1 with IC50 of 0.56 μ M, inhibits NF- κ B activation, exhibits 36-fold selectivity over NOD2.	799264-47-4	free base	http://www.selleckchem.com/products/ml130.html
3651 / 3658 / 3665	B22	S3081	Ulipristal	174	Others	Others	Ulipristal is a selective SPRM for emergency contraception after an unprotected intercourse or contraceptive failure.	159811-51-5	free base	http://www.selleckchem.com/products/ulipristal.html
3651 / 3658 / 3665	C03	S1014	Bosutinib (SKI-606)	188	Angiogenesis	Src	Bosutinib (SKI-606) is a novel, dual Src/Abl inhibitor with IC50 of 1.2 nM and 1 nM, respectively.	380843-75-4	free base	http://www.selleckchem.com/products/Bosutinib.html

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3651 / 3658 / 3665	C04	S1890	Nizatidine	199	Neuronal Signaling	Histamine Receptor	Nizatidine is a histamine H2 receptor antagonist with IC50 of 6.7 nM for AChE.	76963-41-2	free base	http://www.selleckchem.com/products/Nizatidine(Acid).html
3651 / 3658 / 3665	C05	S1214	Bleomycin Sulfate	66	DNA Damage	DNA/RNA Synthesis	Bleomycin Sulfate is a glycopeptide antibiotic and an anticancer agent for squamous cell carcinomas (SCC) with IC50 of 4 nM in UT-SCC-19A cells.	9041-93-4	sulfate	http://www.selleckchem.com/products/Bleomycin-sulfate.html
3651 / 3658 / 3665	C06	S1958	Sulbactam	201	Others	Others	Sulbactam is a beta-lactamase inhibitor with an average IC50 of 0.8 µM.	68373-14-8	free base	http://www.selleckchem.com/products/sulbactam.html
3651 / 3658 / 3665	C07	S1284	Benazepril HCl	199	Endocrinology & Hormones	RAAS	Benazepril is a medication used to treat high blood pressure.	86541-74-4	hydrochloride	http://www.selleckchem.com/products/Benazepril-hydrochloride.html
3651 / 3658 / 3665	C08	S2017	Benidipine HCl	14	Transmembrane Transporters	Calcium Channel	Benidipine HCl is a hydrochloride salt form of benidipine which is a dihydropyridine calcium channel blocker.	91599-74-5	hydrochloride	http://www.selleckchem.com/products/benidipine-hydrochloride.html
3651 / 3658 / 3665	C09	S1351	Ivermectin	199	Others	Others	Ivermectin is a broad-spectrum antiparasitic medication.	70288-86-7	free base	http://www.selleckchem.com/products/Ivermectin.html
3651 / 3658 / 3665	C10	S2069	Argatroban	17	Others	Others	Argatroban is an anticoagulant that is a small molecule direct thrombin inhibitor.	74863-84-6	free base	http://www.selleckchem.com/products/argatroban.html
3651 / 3658 / 3665	C11	S1394	Pizotifen Malate	48	Others	Others	Pizotifen Malate is a benzocycloheptane based agent used for recurrent migraine headaches.	11/7/5189	malate	http://www.selleckchem.com/products/Pizotifen-malate.html
3651 / 3658 / 3665	C12	S2099	Temocapril HCl	200	Endocrinology & Hormones	RAAS	Temocapril HCl is the hydrochloride of Temocapril, which is a long-acting angiotensin-converting enzyme (ACE) inhibitor, used for the treatment of hypertension.	110221-44-8	hydrochloride	http://www.selleckchem.com/products/temocapril-hcl.html
3651 / 3658 / 3665	C13	S1578	Candesartan	199	Endocrinology & Hormones	RAAS	Candesartan is an angiotensin II receptor antagonist with IC50 of 0.26 nM.	139481-59-7	free base	http://www.selleckchem.com/products/Candesartan(Atacand).html
3651 / 3658 / 3665	C14	S2160	Almorexant HCl	72	GPCR & G Protein	OX Receptor	Almorexant HCl is an orally active, dual orexin receptor antagonist with IC50 of 6.6 nM and 3.4 nM for OX1 and OX2 receptor, respectively. Phase 3.	913358-93-7	HCl	www.selleckchem.com/products/almorexant-hcl.html
3651 / 3658 / 3665	C15	S1640	Albendazole	64	Others	Others	Albendazole is a member of the benzimidazole compounds used as a drug indicated for the treatment of a variety of worm infestations.	54965-21-8	free base	http://www.selleckchem.com/products/Albendazole(Albenza).html
3651 / 3658 / 3665	C16	S2228	VX-765	196	Apoptosis	Caspase	VX-765 is a potent and selective inhibitor of caspase-1 with Ki of 0.8 nM.	273404-37-8,851091-96-8	free base	http://www.selleckchem.com/products/VX-765.html
3651 / 3658 / 3665	C17	S1703	Divalproex Sodium	199	Ubiquitin	Autophagy	Divalproex sodium consists of a compound of sodium valproate and valproic acid in a 1:1 molar relationship in an enteric coated form.	76584-70-8	sodium	http://www.selleckchem.com/products/Divalproex-sodium.html
3651 / 3658 / 3665	C18	S2303	Gossypol	10	Others	Others	Gossypol is a polyphenolic aldehyde that permeates cells and acts as an inhibitor for several dehydrogenase enzymes.	303-45-7	free base	http://www.selleckchem.com/products/Gossypol.html
3651 / 3658 / 3665	C19	S1771	Chlorprothixene	18	Neuronal Signaling	Dopamine Receptor	Chlorprothixene has strong binding affinities to dopamine and histamine receptors, such as D1, D2, D3, D5, H1, 5-HT2, 5-HT6 and 5-HT7, with Ki of 18 nM, 2.96 nM, 4.56 nM, 9 nM, 3.75 nM, 9.4 nM, 3 nM and 5.6 nM, respectively.	113-59-7	free base	http://www.selleckchem.com/products/Chlorprothixene.html
3651 / 3658 / 3665	C20	S2329	Naringin	199	PI3K/Akt/mTOR	Others	Naringin is a flavanone glycoside, which exerts a variety of pharmacological effects such as antioxidant activity, blood lipid lowering, anticancer activity, and inhibition of cytochrome P450 enzymes.	10236-47-2	free base	http://www.selleckchem.com/products/Naringin(Naringoside).html
3651 / 3658 / 3665	C21	S1832	Atracurium Besylate	10	Others	Others	Atracurium Besylate is a neuromuscular blocking agent with ED95 of 0.2 mg/kg.	64228-81-5	besylate	http://www.selleckchem.com/products/atracurium-besylate.html
3651 / 3658 / 3665	C22	S2369	Troxerutin	10	Others	Others	Troxerutin (Trihydroxyethylrutin), a natural bioflavonoid isolated from Sophora japonica., has been reported to have many benefits and medicinal properties.	7085-55-4	free base	http://www.selleckchem.com/products/Troxerutin.html
3651 / 3658 / 3665	D03	S2397	Palmitate chloride	201	Others	Others	Palmitate hydrochloride (Palmitate chloride (6Cl,7Cl); Fibrauretin) is a hydrochloride salt of palmitate which is a protoberberine alkaloid.	10605-02-4	chloride	http://www.selleckchem.com/products/Palmitate-chloride.html
3651 / 3658 / 3665	D04	S2874	Camostat Mesilate	200	Others	Others	Camostat is a trypsin-like protease inhibitor, inhibits airway epithelial sodium channel (ENaC) function with IC50 of 50 nM, less potent to trypsin, prostatic and matrilipase.	59721-29-8	mesilate	http://www.selleckchem.com/products/camostat-mesilate-foy-305.html
3651 / 3658 / 3665	D05	S2454	Bupivacaine HCl	200	GPCR & G Protein	cAMP	Bupivacaine hydrochloride(Marcain) is a more potent cAMP production inhibitor with an IC50 of 2.3 µM	18010-40-7	hydrochloride	selleckchem.com/products/Bupivacaine-hydrochloride(Marcain).html

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3651 / 3658 / 3665	D06	S2890	PF-562271	199	Angiogenesis	FAK	PF-562271 is a potent, ATP-competitive, reversible inhibitor of FAK with IC50 of 1.5 nM, ~10-fold less potent for Pyk2 than FAK and >100-fold selectivity against other protein kinases, except for some CDKs.	717907-75-0	free base	http://www.selleckchem.com/products/pf-562271.html
3651 / 3658 / 3665	D07	S2538	Acetanilide	199	Others	Others	Acetanilide is an aniline derivative and has possess analgesic.	103-84-4	free base	http://www.selleckchem.com/products/Acetanilide-Antifebrin.html
3651 / 3658 / 3665	D08	S2901	CCG 50014	199	Others	Others	CCG 50014 is a potent and selective inhibitor of RGS4 with IC50 of 30 nM.	883050-24-6	free base	http://www.selleckchem.com/products/ccg-50014.html
3651 / 3658 / 3665	D09	S2590	Pioglitazone	42	Others	Others	Pioglitazone (Actos) is a selective peroxisome proliferator-activated receptor gamma stimulator.	111025-46-8	free base	http://www.selleckchem.com/products/pioglitazone-actos.html
3651 / 3658 / 3665	D10	S2911	Go 6983	133	TGF-beta/Smad	PKC	Go 6983 is a pan-PKC inhibitor against for PKC α , PKC β , PKC γ and PKC δ with IC50 of 7 nM, 7 nM, 6 nM and 10 nM, respectively; less potent to PKC ζ and inactive to PKC ξ .	133053-19-7	free base	http://www.selleckchem.com/products/go-6983.html
3651 / 3658 / 3665	D11	S2693	Resminostat	200	Epigenetics	HDAC	Resminostat dose-dependently and selectively inhibits HDAC1/3/6 with IC50 of 42.5 nM/50.1 nM/71.8 nM, less potent to HDAC8 with IC50 of 877 nM.	864814-88-0	free base	http://www.selleckchem.com/products/resminostat-ras2410.html
3651 / 3658 / 3665	D12	S2921	PF-4981517	199	Metabolism	P450 (e.g. CYP17)	PF-4981517 is a potent and selective inhibitor of CYP3A4 (P450) with IC50 of 0.03 μ M, exhibits >500-fold selectivity over CYP3A5 and CYP3A7.	1390637-82-7	free base	http://www.selleckchem.com/products/pf-4981517.html
3651 / 3658 / 3665	D13	S2806	CEP-33779	201	JAK/STAT	JAK	CEP33779 is a selective JAK2 inhibitor with IC50 of 1.8 nM, >40- and >800-fold versus JAK1 and TYK2.	1257704-57-6	free base	http://www.selleckchem.com/products/cep33779.html
3651 / 3658 / 3665	D14	S3002	Rivaroxaban	199	Metabolism	Factor Xa	Rivaroxaban is a direct inhibitor of Factor Xa with Ki and IC50 of 0.4 nM and 0.7 nM, respectively.	366789-02-8	free base	http://www.selleckchem.com/products/Rivaroxaban.html
3651 / 3658 / 3665	D15	S2821	RG108	200	Epigenetics	Transferase, DNA Methyltransferase	RG108 is an inhibitor of DNA methyltransferase with IC50 of 115 nM, does not cause trapping of covalent enzymes.	48208-26-0	free base	http://www.selleckchem.com/products/rg108.html
3651 / 3658 / 3665	D16	S3042	Purmorphamine	10	Stem Cells & Wnt	Hedgehog/Smoothened	Purmorphamine, which directly binds and activates Smoothened, blocks BODIPY-cyclopamine binding to Smo with IC50 of ~ 1.5 μ M and also is an inducer of osteoblast differentiation with EC50 of 1 μ M.	483367-10-8	free base	http://www.selleckchem.com/products/purmorphamine.html
3651 / 3658 / 3665	D17	S2843	BI-D1870	199	PI3K/Akt/mTOR	S6 Kinase	BI-D1870 is an ATP-competitive inhibitor of S6 ribosome for RSK1/2/3/4 with IC50 of 31 nM/24 nM/18 nM/15 nM, respectively; 10- to 100-fold selectivity for RSK than MST2, GSK-3 β , MARK3, CK1 and Aurora B.	501437-28-1	free base	http://www.selleckchem.com/products/bi-d1870.html
3651 / 3658 / 3665	D18	S3053	Azelidipine	200	Transmembrane Transporters	Calcium Channel	Azelidipine is a dihydropyridine calcium channel blocker.	123524-52-7	free base	http://www.selleckchem.com/products/azelidipine.html
3651 / 3658 / 3665	D19	S2856	SB271046	88	Neuronal Signaling	5-HT Receptor	SB271046 is a potent, selective and orally active 5-HT6 receptor antagonist with pKi of 8.9, exhibits 200-fold greater selectivity over other 5-HT receptor subtypes.	209481-20-9	free base	http://www.selleckchem.com/products/sb-271046.html
3651 / 3658 / 3665	D20	S3071	Vanillin	10	Others	Others	Vanillin, 4-hydroxy-3-methoxybenzaldehyde, is a food additive.	121-33-5	free base	http://www.selleckchem.com/products/vanillin.html
3651 / 3658 / 3665	D21	S2864	IMD 0354	26	NF- κ B	I κ B/IKK	IMD-0354 is an IKK β inhibitor and blocks I κ B α phosphorylation in NF- κ B pathway.	978-62-1	free base	http://www.selleckchem.com/products/imd-0354.html
3651 / 3658 / 3665	D22	S3083	Indacaterol Maleate	200	Neuronal Signaling	Adrenergic Receptor	Indacaterol is an ultra-long-acting β -adrenoceptor agonist with pKi of 7.36.	753498-25-8	maleate	http://www.selleckchem.com/products/indacaterol-maleate.html
3651 / 3658 / 3665	E03	S1018	Dovitinib (TKI-258, CHIR-258)	76	Angiogenesis	FGFR,FLT3,c-Kit,VEGFR,PDGFR	Dovitinib (TKI258, CHIR258) is a multitargeted RTK inhibitor, mostly for class III (FLT3/c-Kit) with IC50 of 1 nM/2 nM, also potent to class IV (FGFR1/3) and class V (VEGFR1-4) RTKs with IC50 of 8-13 nM, less potent to InsR, EGFR, c-Met, EphA2, Tie2, IGF-1R and HER2. Phase 4.	405169-16-6	citrate	http://www.selleckchem.com/products/CHIR-258.html
3651 / 3658 / 3665	E04	S1894	Valsartan	199	Endocrinology & Hormones	RAAS	Valsartan (Diovan) is an angiotensin II receptor antagonist with IC50 of ranging from 39.5 to 116 μ M	137862-53-4	free base	http://www.selleckchem.com/products/Valsartan(Diovan).html
3651 / 3658 / 3665	E05	S1216	PFI-1 (PF-6405761)	198	Epigenetics	Epigenetic Reader Domain	PFI-1 is a selective BET (bromodomain-containing protein) inhibitor for BRD4 with IC50 of 0.22 μ M.	1403764-72-6	free base	http://www.selleckchem.com/products/pfi-1.html
3651 / 3658 / 3665	E06	S1959	Tolfenamic Acid	198	Neuronal Signaling	COX	Tolfenamic acid is a COX-2 inhibitor with IC50 of 0.2 μ M.	13710-19-5	free base	http://www.selleckchem.com/products/tolfenamic-acid.html
3651 / 3658 / 3665	E07	S1293	Cilnidipine	201	Transmembrane Transporters	Calcium Channel	Cilnidipine is a calcium channel blocker.	132203-70-4	free base	http://www.selleckchem.com/products/Cilnidipine.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3651 / 3658 / 3665	E08	S2020	Formoterol Hemifumarate	243	Neuronal Signaling	Adrenergic Receptor	Formoterol hemifumarate is a potent, selective and long-acting β 2-adrenoceptor agonist to β 2 and β 1 receptors with pKd of 8.12 and 5.58, respectively.	43229-80-7	fumarate	http://www.selleckchem.com/products/formoterol-hemifumarate.html
3651 / 3658 / 3665	E09	S1353	Ketoconazole	10	Metabolism	P450 (e.g. CYP17)	Ketoconazole inhibits cyclosporine oxidase and testosterone 6 beta-hydroxylase with IC50 of 0.19 mM and 0.22 mM, respectively.	65277-42-1	free base	http://www.selleckchem.com/products/Ketoconazole.html
3651 / 3658 / 3665	E10	S2079	Moexipril HCl	37	Endocrinology & Hormones	RAAS	Moexipril HCl is a potent orally active non-sulphydryl angiotensin converting enzyme inhibitor (ACE) with IC50 of 0.041 μ M, which is used for the treatment of hypertension and congestive heart failure.	82586-52-5	hydrochloride	http://www.selleckchem.com/products/moexipril-hydrochloride.html
3651 / 3658 / 3665	E11	S1432	Sumatriptan Succinate	200	Neuronal Signaling	5-HT Receptor	Sumatriptan Succinate is a triptan sulfa drug containing a sulfonamide group for the treatment of migraine headaches.	103628-48-4	succinate	http://www.selleckchem.com/products/Sumatriptan-succinate.html
3651 / 3658 / 3665	E12	S2102	Rasagiline Mesylate	198	Metabolism	MAO	Rasagiline Mesylate is a new MAO-B inhibitor for the treatment of idiopathic Parkinson's disease.	161735-79-1	mesylate	http://www.selleckchem.com/products/rasagiline-mesylate.html
3651 / 3658 / 3665	E13	S1604	Olmesartan Medoxomil	159	Endocrinology & Hormones	RAAS	Olmesartan medoxomil is a compound which is hydrolyzed to olmesartan that is a selective AT1 subtype angiotensin II receptor antagonist.	144689-63-4	free base	http://www.selleckchem.com/products/olmesartan-medoxomil-Benicar.html
3651 / 3658 / 3665	E14	S2163	PF-4708671	76	PI3K/Akt/mTOR	S6 Kinase	PF-4708671 is a cell-permeable inhibitor of p70 ribosomal S6 kinase (S6K1 isoform) with Ki/IC50 of 20 nM/160 nM, 400-fold greater selectivity for S6K1 than S6K2, and 4- and >20-fold selectivity for S6K1 than MSK1 and RSK1/2, respectively. First S6K1-specific inhibitor to be reported.	1255517-76-0	free base	http://www.selleckchem.com/products/pf-4708671.html
3651 / 3658 / 3665	E15	S1649	Zolmitriptan	201	Neuronal Signaling	5-HT Receptor	Zolmitriptan(Zomig) is a selective serotonin receptor agonist.	139264-17-8	free base	http://www.selleckchem.com/products/Zolmitriptan(Zomig).html
3651 / 3658 / 3665	E16	S2233	Esomeprazole Sodium	201	Transmembrane Transporters	ATPase	Esomeprazole sodium (Nexium) is a sodium salt of esomeprazole that is a potent proton pump inhibitor with an IC50 of 0.076 mg/kg.	161796-78-7	free base	http://www.selleckchem.com/products/Esomeprazole-sodium-Nexium-I.V..html
3651 / 3658 / 3665	E17	S1716	Glyburide	200	Others	Others	Glyburide (Diabeta) is an anti-diabetic compound in a class of medications known as sulfonylureas, closely related to sulfa agents.	10238-21-8	free base	http://www.selleckchem.com/products/Glyburide(Diabeta).html
3651 / 3658 / 3665	E18	S2304	Gramine	200	Others	Others	Gramine is a naturally occurring indole alkaloid present in several plant species.	87-52-5	free base	http://www.selleckchem.com/products/Gramine.html
3651 / 3658 / 3665	E19	S1776	Toremifene Citrate	200	Endocrinology & Hormones	Estrogen/progesterone Receptor	Toremifene Citrate is an oral selective estrogen receptor modulator (SERM) which helps oppose the actions of estrogen in the body.	89778-27-8	citrate	www.selleckchem.com/products/Toremifene-Citrate(Fareston).html
3651 / 3658 / 3665	E20	S2332	Neohesperidin	199	Others	Others	Neohesperidin, a flavanone glycoside found in citrus fruits, is an antioxidant agent.	13241-33-3	free base	http://www.selleckchem.com/products/Neohesperidin.html
3651 / 3658 / 3665	E21	S1845	Cimetidine	202	Neuronal Signaling	Histamine Receptor	Cimetidine(Tagamet), a histamine congener, competitively inhibits histamine binding to histamine H2 receptors.	51481-61-9	free base	http://www.selleckchem.com/products/Cimetidine(Tagamet).html
3651 / 3658 / 3665	E22	S2371	Vanillylacetone	10	Others	Others	Vanillylacetone is similar in chemical structure to other flavor chemicals such as vanillin and eugenol and is used as a flavor additive in spice oils and in perfumery to introduce spicy aromas.	122-48-5	free base	http://www.selleckchem.com/products/Vanillylacetone.html
3651 / 3658 / 3665	F03	S2411	Geniposide	10	Others	Others	Geniposide is an iridoid glycoside isolated from the fruit of Gardenia jasminoides Ellis.	24512-63-8	free base	http://www.selleckchem.com/products/geniposide.html
3651 / 3658 / 3665	F04	S2875	Prucalopride	163	Neuronal Signaling	5-HT Receptor	Prucalopride is a selective, high affinity 5-HT receptor agonist for 5-HT4A and 5-HT4B receptor with Ki of 2.5 nM and 8 nM, respectively, exhibits >290-fold selectivity against other 5-HT receptor subtypes. Phase 3.	179474-81-8	free base	http://www.selleckchem.com/products/prucalopride.html
3651 / 3658 / 3665	F05	S2491	Nitrendipine	199	Transmembrane Transporters	Calcium Channel, Autophagy	Nitrendipine is a dihydropyridine calcium channel blocker with an IC50 of 95 nM.	39562-70-4	free base	http://www.selleckchem.com/products/Nitrendipine.html
3651 / 3658 / 3665	F06	S2892	VU 0361737	201	Neuronal Signaling	GluR	VU 0361737 is a selective positive allosteric modulator (PAM) for mGlu4 receptor with EC50 of 240 nM and 110 nM at human and rat receptors, respectively, displays weak activity at mGlu5 and mGlu8 receptors, is inactive at mGlu1, mGlu2, mGlu3, mGlu6 and mGlu7 receptors, can penetrate into CNS.	1161205-04-4	free base	http://www.selleckchem.com/products/vu-0361737.html
3651 / 3658 / 3665	F07	S2550	Tolterodine tartrate	199	Neuronal Signaling	AChR	Tolterodine tartrate (Detrol LA) is a tartrate salt of tolterodine that is a competitive muscarinic receptor antagonist.	124937-52-6	tartrate	http://www.selleckchem.com/products/Tolterodine-tartrate-Detrol-LA.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3651 / 3658 / 3665	F08	S2902	S-Ruxolitinib (INCB018424)	199	JAK/STAT	JAK	S-Ruxolitinib is the chirality of INCB018424, which is the first potent, selective, JAK1/2 inhibitor to enter the clinic with IC50 of 3.3 nM/2.8 nM, >130-fold selectivity for JAK1/2 versus JAK3. Phase 3.	941685-37-6	free base	http://www.selleckchem.com/products/s-ruxolitinib.html
3651 / 3658 / 3665	F09	S2610	Lonidamine	199	Others	Others	Lonidamine is an orally administered small molecule hexokinase inactivator with an IC50 of 0.85 mM.	50264-69-2	free base	http://www.selleckchem.com/products/lonidamine.html
3651 / 3658 / 3665	F10	S2912	WZ811	103	GPCR & G Protein	CXCR	WZ811 is a highly potent competitive CXCR4 antagonist with EC50 of 0.3 nM.	55778-02-4	free base	http://www.selleckchem.com/products/wz-811.html
3651 / 3658 / 3665	F11	S2694	XL335	75	Others	FXR	XL335 is a potent, selective FXR agonist with EC50 of 4 nM, highly selective versus other nuclear receptors, such as LXR, PPAR, ER and etc. Phase 1.	629664-81-9	free base	http://www.selleckchem.com/products/way-362450.html
3651 / 3658 / 3665	F12	S2922	Icotinib	199	Protein Tyrosine Kinase	EGFR	Icotinib is a potent and specific EGFR inhibitor with IC50 of 5 nM, including the EGFR, EGFR(L858R), EGFR(L861Q), EGFR(T790M) and EGFR(T790M, L858R). Phase 4.	610798-31-7	free base	http://www.selleckchem.com/products/icotinib.html
3651 / 3658 / 3665	F13	S2809	MPEP	201	Neuronal Signaling	GluR	MPEP is a selective mGlu5 receptor antagonist with IC50 of 36 nM, exhibits no appreciable activity at mGlu1b/2/3/4a/7b/8a/6 receptors.	96206-92-7	free base	http://www.selleckchem.com/products/mpep.html
3651 / 3658 / 3665	F14	S3015	Amoxicillin	10	Others	Others	Amoxicillin is a moderate-spectrum, bacteriolytic, β -lactam antibiotic used to treat bacterial infections caused by susceptible microorganisms.	26787-78-0	free base	http://www.selleckchem.com/products/amoxicillin-amoxicillin.html
3651 / 3658 / 3665	F15	S2822	OC000459	11	Endocrinology & Hormones	GPR	OC000459 is a potent and selective D prostanoid receptor 2 (DP2) antagonist with IC50 of 13 nM.	851723-84-7,950688-14-9(sodiumsalt)	free base	http://www.selleckchem.com/products/oc000459.html
3651 / 3658 / 3665	F16	S3043	Rofecoxib	200	Neuronal Signaling	COX	Rofecoxib is a COX-2 inhibitor with IC50 of 18 nM.	162011-90-7	free base	http://www.selleckchem.com/products/rofecoxib-viox.html
3651 / 3658 / 3665	F17	S2845	Semaxanib (SU5416)	92	Protein Tyrosine Kinase	VEGFR	Semaxanib (SU5416) is a potent and selective VEGFR(Flk-1/KDR) inhibitor with IC50 of 1.23 μ M, 20-fold more selective for VEGFR than PDGFR β , lack of activity against EGFR, InsR and FGFR. Phase 3.	194413-58-6	free base	http://www.selleckchem.com/products/semaxanib-su5416.html
3651 / 3658 / 3665	F18	S3054	Alverine Citrate	10	Others	Others	Alverine citrate is a drug used for functional gastrointestinal disorders.	5560-59-8	citrate	http://www.selleckchem.com/products/alverine-citrate.html
3651 / 3658 / 3665	F19	S2857	MK-801 (Dizocilpine)	302	Neuronal Signaling	GluR	Dizocilpine is a potent N-methyl-D-aspartate (NMDA) receptor antagonist with Ki of 30.5 nM.	77086-21-6	free base	http://www.selleckchem.com/products/dizocilpine-mk-801.html
3651 / 3658 / 3665	F20	S3073	Caspofungin Acetate	200	Others	Others	Caspofungin acetate is a lipopeptide antifungal drug.	179463-17-3	acetate	http://www.selleckchem.com/products/caspofungin-acetate.html
3651 / 3658 / 3665	F21	S2865	VUF 10166	79	Neuronal Signaling	5-HT Receptor	VUF10166 is a novel, potent and competitive antagonist for 5-HT3A receptor with Ki of 0.04 nM, its affinity at 5-HT3AB receptor is significantly lower.	155584-74-0	free base	http://www.selleckchem.com/products/vuf-10166.html
3651 / 3658 / 3665	F22	S3100	2-Thiouracil	202	Others	Others	2-Thiouracil is a thiolated uracil derivative that is a known antihyperthyroid agent.	141-90-2	free base	http://www.selleckchem.com/products/2-thiouracil.html
3651 / 3658 / 3665	G03	S1061	Nutlin-3	171	Apoptosis	E3 Ligase ,Mdm2	Nutlin-3 is a potent and selective Mdm2 (RING finger-dependent ubiquitin protein ligase for itself and p53) antagonist with IC50 of 90 nM; stabilizes p73 in p53-deficient cells.	890090-75-2	free base	http://www.selleckchem.com/products/Nutlin-3.html
3651 / 3658 / 3665	G04	S1897	Potassium Iodide	198	Others	Others	Potassium iodide is used to treat overactive thyroid and to protect the thyroid gland from the effects of radiation from inhaled or swallowed radioactive iodine.	7681-11-0	Inorganic salt	http://www.selleckchem.com/products/Potassium-iodide.html
3651 / 3658 / 3665	G05	S1223	Epirubicin HCl	200	DNA Damage	Topoisomerase	Epirubicin HCl, a semisynthetic L-arabino derivative of doxorubicin, is an antineoplastic agent by inhibiting Topoisomerase.	56390-09-1	hydrochloride	http://www.selleckchem.com/products/Ellence.html
3651 / 3658 / 3665	G06	S1960	Pranoprofen	199	Others	Others	Pranoprofen is a PGE2 inhibitor with IC50 of 7.5 μ M.	52549-17-4	free base	http://www.selleckchem.com/products/pranoprofen.html
3651 / 3658 / 3665	G07	S1305	Mercaptopurine (6-MP)	197	DNA Damage	DNA/RNA Synthesis	Mercaptopurine is a widely used antileukemic agent and immunosuppressive drug that inhibits de novo purine synthesis through incorporation of thiopurine methyltransferase metabolites into DNA and RNA.	50-44-2	free base	http://www.selleckchem.com/products/Mercaptopurine.html
3651 / 3658 / 3665	G08	S2025	Urapidil HCl	56	Neuronal Signaling	5-HT Receptor	Urapidil hydrochloride is a hydrochloride salt form of urapidil which is α 1-adrenoceptor antagonist and 5-HT1A receptor agonist with pIC50 of 6.13 and 6.4 respectively.	64887-14-5	hydrochloride	http://www.selleckchem.com/products/urapidil-hydrochloride.html
3651 / 3658 / 3665	G09	S1357	Lidocaine	200	Neuronal Signaling	Histamine Receptor	Lidocaine is a selective inverse peripheral histamine H1-receptor agonist with an IC50 of >32 μ M.	137-58-6	free base	http://www.selleckchem.com/products/Lidocaine.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3651 / 3658 / 3665	G10	S2080	Clevipidine Butyrate	199	Transmembrane Transporters	Calcium Channel	Cleviprex (Clevipidine) is a dihydropyridine calcium channel blocker use as agent for the reduction of blood pressure.	167221-71-8	free base	http://www.selleckchem.com/products/cleviprex-clevipidine.html
3651 / 3658 / 3665	G11	S1436	Tianeptine sodium	200	Neuronal Signaling	5-HT Receptor	Tianeptine is a selective serotonin reuptake enhancer (SSRE) compound used for treating major depressive episodes.	30123-17-2	sodium	http://www.selleckchem.com/products/Tianeptine-sodium-salt.html
3651 / 3658 / 3665	G12	S2104	Levosulpiride	202	Neuronal Signaling	Dopamine Receptor	Levosulpiride is a selective antagonist for D2 dopamine receptors used as an antipsychotic and prokinetic agent.	23672-07-3	free base	http://www.selleckchem.com/products/levosulpiride-levogastrol.html
3651 / 3658 / 3665	G13	S1608	Pyridostigmine Bromide	199	Neuronal Signaling	AChR	Pyridostigmine Bromide is a parasymphomimetic and a reversible cholinesterase inhibitor.	101-26-8	bromide	http://www.selleckchem.com/products/Pyridostigmine-Bromide(Mestinon).html
3651 / 3658 / 3665	G14	S2168	PD128907 HCl	41	Neuronal Signaling	Dopamine Receptor	PD 128907 HCl is a potent and selective dopamine D3 receptor agonist, with EC50 of 0.64 nM, exhibits 53-fold selectivity over dopamine D2 receptor.	112960-16-4	hydrochloride	http://www.selleckchem.com/products/PD-128907.html
3651 / 3658 / 3665	G15	S1654	Phenylbutazone	201	Others	Others	Phenylbutazone(Butazolidin, Butatron) is used as a non-steroidal anti-inflammatory agent for the treatment of chronic pain, including the symptoms of arthritis.	50-33-9	free base	http://www.selleckchem.com/products/Phenylbutazone(Butazolidin).html
3651 / 3658 / 3665	G16	S2240	Fesoterodine Fumarate	200	Neuronal Signaling	AChR	Fesoterodine fumarate (Toviaz) is an antimuscarinic agent and is rapidly de-esterified to its active metabolite 5-hydroxymethyl toterodine that is a muscarinic receptor antagonist.	286930-03-8	fumarate	http://www.selleckchem.com/products/Fesoterodine-fumarate-Toviaz.html
3651 / 3658 / 3665	G17	S1727	Levonorgestrel	144	Others	Others	Levonorgestrel(Levonelle) is a synthetic progestogen used as an active ingredient in some hormonal contraceptives.	797-63-7	free base	http://www.selleckchem.com/products/Levonorgestrel(Levonelle).html
3651 / 3658 / 3665	G18	S2306	Gynostemma Extract	206	Others	Others	Gynostemma Extract is a saponins extract derived from the Gynostemma pentaphyllum.	80321-63-7	free base	http://www.selleckchem.com/products/Gynostemma-Extract.html
3651 / 3658 / 3665	G19	S1782	Azacitidine	200	DNA Damage	DNA Methyltransferase	Azacitidine is a nucleoside analogue of cytidine that specifically inhibits DNA methylation by trapping DNA methyltransferases.	320-67-2	free base	http://www.selleckchem.com/products/Azacitidine(Vidaza).html
3651 / 3658 / 3665	G20	S2333	Nobiletin	201	Others	Others	Nobiletin, a citrus flavonoid isolated from citrus peels like in tangerine, which has anti-inflammatory and anti-tumor activities.	478-01-3	free base	http://www.selleckchem.com/products/Nobiletin(Hexamethoxyflavone).html
3651 / 3658 / 3665	G21	S1854	Bifonazole	199	Others	Others	Bifonazole is an antifungal agent and a prostatic aromatase activity inhibitor with IC50 of 1.6 µM.	60628-96-8	free base	http://www.selleckchem.com/products/bifonazole.html
3651 / 3658 / 3665	G22	S2372	Xanthone	10	Others	Others	Xanthone is an organic compound, which can be prepared by the heating of phenyl salicylate.	90-47-1	free base	http://www.selleckchem.com/products/Xanthone(Genicide).html
3651 / 3658 / 3665	H03	S2425	Apocynin	10	Others	Others	Apocynin is a selective NADPH-oxidase inhibitor with IC50 of 10 µM.	498-02-2	free base	http://www.selleckchem.com/products/apocynin-acetovanillone.html
3651 / 3658 / 3665	H04	S2876	(-)-MK 801 Maleate	201	Neuronal Signaling	GluR	MK-801 is a potent, selective and non-competitive NMDA receptor antagonist with Kd of 37.2 nM in rat brain membranes.	121917-57-5	maleate	http://www.selleckchem.com/products/mk-801-maleate.html
3651 / 3658 / 3665	H05	S2516	Xylazine HCl	194	Neuronal Signaling	Adrenergic Receptor	Xylazine HCl is α class of adrenergic receptor agonist.	23076-35-9	hydrochloride	http://www.selleckchem.com/products/Xylazine(Rompun).html
3651 / 3658 / 3665	H06	S2894	SB742457	220	Neuronal Signaling	5-HT Receptor	SB742457 is a highly selective 5-HT6 receptor antagonist with pKi of 9.63, exhibits >100-fold selectivity over other receptors. Phase 2.	607742-69-8	free base	http://www.selleckchem.com/products/sb-742457.html
3651 / 3658 / 3665	H07	S2551	Sulbactam sodium	11	Others	Others	Sulbactam sodium (Unasyn) is an irreversible β-lactamase inhibitor.	69388-84-7	sodium	http://www.selleckchem.com/products/sulbactam-sodium-unasyn.html
3651 / 3658 / 3665	H08	S2903	Lumiracoxib	200	Neuronal Signaling	COX	Lumiracoxib is a novel, selective COX-2 inhibitor with IC50 and Ki of 0.14 µM and 0.06 µM, exhibits 515-fold selectivity over COX-1. Phase 4.	220991-20-8	free base	http://www.selleckchem.com/products/lumiracoxib-cox-189.html
3651 / 3658 / 3665	H09	S2625	Fostamatinib (R788)	199	Angiogenesis	Syk	Fostamatinib (R788), a prodrug of the active metabolite R406, is a Syk inhibitor with IC50 of 41 nM, strongly inhibits Syk but not Lyn, 5-fold less potent to Flt3. Phase 2.	901119-35-5	free base	http://www.selleckchem.com/products/R7935788-Fostamatinib.html
3651 / 3658 / 3665	H10	S2913	BAY 11-7082	197	NF-κB	IκB/IKK, E2 conjugating	BAY 11-7082 is a NF-κB inhibitor, inhibits TNFα-induced IκBα phosphorylation with IC50 of 10 µM.	19542-67-7	free base	http://www.selleckchem.com/products/bay-11-7082-bay-11-7821.html
3651 / 3658 / 3665	H11	S2698	RS-127445	199	Neuronal Signaling	5-HT Receptor	RS-127445 is a selective 5-HT2B receptor antagonist with pKi of 9.5 and pIC50 of 10.4, exhibits >1000-fold selectivity against other 5-HT receptors.	199864-87-3	free base	http://www.selleckchem.com/products/rs-127445.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3651 / 3658 / 3665	H12	S2923	Salubrinol	200	Others	Others	Salubrinol is a selective inhibitor of eIF2 α dephosphorylation and inhibits ER stress-mediated apoptosis with EC50 of ~15 μ M.	405060-95-9	free base	http://www.selleckchem.com/products/salubrinol.html
3651 / 3658 / 3665	H13	S2812	AT101	200	Apoptosis	Bcl-2	AT101, the R(-) enantiomer of Gossypol acetic acid, binds with Bcl-2, Bcl-xL and Mcl-1 with Ki of 0.32 μ M, 0.48 μ M and 0.18 μ M; does not inhibit BIR3 domain and BID. Phase 1/2.	866541-93-7	free base	http://www.selleckchem.com/products/at101.html
3651 / 3658 / 3665	H14	S3033	Vildagliptin (LAF-237)	197	Proteases	DPP-4	Vildagliptin (LAF-237) inhibits DPP-4 with IC50 of 2.3 nM.	274901-16-5	free base	http://www.selleckchem.com/products/vildagliptin-laf-237.html
3651 / 3658 / 3665	H15	S2824	TPCA-1	200	NF- κ B	I κ B/IKK	TPCA-1 is an inhibitor of IKK-2 with IC50 of 17.9 nM, inhibits NF- κ B pathway, exhibits 22-fold selectivity over IKK-1.	507475-17-4	free base	http://www.selleckchem.com/products/tpca-1.html
3651 / 3658 / 3665	H16	S3045	Cinepazide maleate	200	Others	Others	Cinepazide maleate is a maleate salt form of cinepazide which is a vasodilator.	26328-04-1	maleate	http://www.selleckchem.com/products/cinepazide-maleate.html
3651 / 3658 / 3665	H17	S2847	Cathepsin Inhibitor 1	199	Others	Others	Cathepsin Inhibitor 1 is an inhibitor of Cathepsin (L, L2, S, K, B) with pIC50 of 7.9, 6.7, 6.0, 5.5 and 5.2, respectively.	225120-65-0	free base	http://www.selleckchem.com/products/cathepsin-inhibitor-1.html
3651 / 3658 / 3665	H18	S3057	Azilsartan Medoxomil	200	Endocrinology & Hormones	RAAS	Azilsartan Medoxomil is a potent angiotensin II type 1 (AT1) receptor antagonist, inhibits the RAAS, with an IC50 of 2.6 nM, exhibits >10,000-fold selectivity over AT2. Phase 3.	863031-21-4	free base	http://www.selleckchem.com/products/azilsartan-medoxomil-tak-491.html
3651 / 3658 / 3665	H19	S2858	StemRegenin 1 (SR1)	200	Others	Others	StemRegenin 1 is an AhR inhibitor with IC50 of 127 nM.	1227633-49-9	free base	http://www.selleckchem.com/products/stemRegenin-1.html
3651 / 3658 / 3665	H20	S3075	Dexmedetomidine	199	Neuronal Signaling	Adrenergic Receptor	Dexmedetomidine is a sedative medication used by intensive care units and anesthetists.	113775-47-6	free base	http://www.selleckchem.com/products/dexmedetomidine.html
3651 / 3658 / 3665	H21	S2866	U-104	200	Metabolism	Carbonic Anhydrase	U-104 is a potent carbonic anhydrase (CA) inhibitor for CA IX and CA XII with Ki of 45.1 nM and 4.5 nM, respectively, very low inhibition for CA I and CA II.	178606-66-1	free base	http://www.selleckchem.com/products/u-104.html
3651 / 3658 / 3665	H22	S3104	Moguisteine	200	Others	Others	Moguisteine is a novel peripheral non-narcotic antitussive drug.	119637-67-1	free base	http://www.selleckchem.com/products/moguisteine.html
3651 / 3658 / 3665	I03	S1121	TW-37	200	Apoptosis	Bcl-2	TW-37 is a novel nonpeptide inhibitor to recombinant Bcl-2, Bcl-xL and Mcl-1 with Ki of 0.29 μ M, 1.11 μ M and 0.26 μ M, respectively.	877877-35-5	free base	http://www.selleckchem.com/products/TW-37.html
3651 / 3658 / 3665	I04	S1905	Amlodipine	200	Transmembrane Transporters	Calcium Channel	Amlodipine(Norvasc) is a long-acting calcium channel blocker with an IC50 of 1.9 nM.	88150-42-9	free base	http://www.selleckchem.com/products/Amlodipine(Norvasc).html
3651 / 3658 / 3665	I05	S1228	Idarubicin HCl	187	DNA Damage	Topoisomerase	Idarubicin HCl is a hydrochloride salt form of Idarubicin which is an anthracycline antibiotic and a DNA topoisomerase II (topo II) inhibitor for MCF-7 cells with IC50 of 3.3 ng/mL.	57852-57-0	hydrochloride	http://www.selleckchem.com/products/Idarubicin.html
3651 / 3658 / 3665	I06	S1972	Tamoxifen Citrate	177	Endocrinology & Hormones	Estrogen/progesterone Receptor, Autophagy	Tamoxifen Citrate is an antagonist of the estrogen receptor by competitive inhibition of estrogen binding.	54965-24-1	citrate	http://www.selleckchem.com/products/Tamoxifen-Citrate(Nolvadex).html
3651 / 3658 / 3665	I07	S1319	Costunolide	202	DNA Damage	Telomerase	Costunolide, a natural sesquiterpene compound with multiple biological activities; inhibits FPTase with IC50 of 20 μ M, also inhibits telomerase with IC50 of 65-90 μ M.	553-21-9	free base	http://www.selleckchem.com/products/Costunolide.html
3651 / 3658 / 3665	I08	S2037	Candesartan Cilexetil	199	Endocrinology & Hormones	RAAS	Candesartan Cilexetil is a specific nonpeptide Ang II receptor (ATR) antagonist and the prodrug of candesartan which is an ATR antagonist with an IC50 of 15 μ g/kg	145040-37-5	free base	http://www.selleckchem.com/products/Candesartan-cilexetil-Atacand.html
3651 / 3658 / 3665	I09	S1359	Losartan Potassium (DuP 753)	199	Endocrinology & Hormones	RAAS	Losartan is an angiotensin II receptor antagonist, competes with the binding of angiotensin II to AT1 receptors with IC50 of 20 nM.	124750-99-8	potassium	http://www.selleckchem.com/products/Losartan-potassium.html
3651 / 3658 / 3665	I10	S2081	Cilazapril Monohydrate	199	Endocrinology & Hormones	RAAS	Cilazapril is a angiotensin-converting enzyme (ACE) inhibitor used for the treatment of hypertension and congestive heart failure.	92077-78-6	monohydrate	http://www.selleckchem.com/products/cilazapril-monohydrate-inhibace.html
3651 / 3658 / 3665	I11	S1468	Alfacalcidol	199	Endocrinology & Hormones	Others	Alfacalcidol is a non-selective VDR activator medication.	41294-56-8	free base	http://www.selleckchem.com/products/Alfacalcidol.html
3651 / 3658 / 3665	I12	S2108	Flunixin Meglumine	199	Neuronal Signaling	COX	Flunixin meglumine is a potent inhibitor of the enzyme cyclooxygenase used as analgesic agent with anti-inflammatory and antipyretic activity.	42461-84-7	meglumine	http://www.selleckchem.com/products/flunixin-meglumine.html
3651 / 3658 / 3665	I13	S1609	Methimazole	201	Others	Others	Methimazole(Tapazole, Northyx) is an antithyroid medicine.	60-56-0	free base	http://www.selleckchem.com/products/Methimazole(Tapazole).html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3651 / 3658 / 3665	I14	S2169	Rosuvastatin Calcium	199	Endocrinology & Hormones	RAAS	Rosuvastatin Calcium is a competitive inhibitor of HMG-CoA reductase with IC50 of 11 nM.	147098-20-2	free base	http://www.selleckchem.com/products/Rosuvastatin-calcium(Crestor).html
3651 / 3658 / 3665	I15	S1657	Enalaprilat Dihydrate	200	Endocrinology & Hormones	RAAS	Enalaprilat is an angiotensin-converting enzyme (ACE) inhibitor with IC50 of 1.94 nM.	84680-54-6	dihydrate	http://www.selleckchem.com/products/Enalaprilat.html
3651 / 3658 / 3665	I16	S2250	(-)-Epigallocatechin Gallate	200	Others	Others	(-)-Epigallocatechin Gallate is the main catechin extraction of green tea, which shows multiple bioactivity.	989-51-5	free base	http://www.selleckchem.com/products/(-)-Epigallocatechin-gallate.html
3651 / 3658 / 3665	I17	S1740	Guaifenesin	201	Others	Others	Guaifenesin(Guaiphenesin) is thought to act as an expectorant.	93-14-1	free base	http://www.selleckchem.com/products/Guaifenesin(Guaiphenesin).html
3651 / 3658 / 3665	I18	S2313	Indole-3-carbinol	197	Others	Others	Indole-3-carbinol is produced by the breakdown of the glucosinolate glucobrassicin, which can be found at relatively high levels in cruciferous vegetables.	700-06-1	free base	http://www.selleckchem.com/products/Indole-3-carbinol.html
3651 / 3658 / 3665	I19	S1801	Ranitidine	199	Neuronal Signaling	Histamine Receptor	Ranitidine is a histamine H2-receptor antagonist with IC50 of 3.3 ± 1.4 µM.	66357-59-3	hydrochloride	http://www.selleckchem.com/products/Ranitidine-hydrochloride(Zantac).html
3651 / 3658 / 3665	I20	S2336	Orotic acid (6-Carboxyuracil)	10	Others	Others	Orotic acid(6-Carboxyuracil) is a heterocyclic compound and an acid.	65-86-1	free base	http://www.selleckchem.com/products/Orotic-acid(6-Carboxyuracil).html
3651 / 3658 / 3665	I21	S1856	Metoprolol Tartrate	146	Neuronal Signaling	Adrenergic Receptor	Metoprolol tartrate is a cardioselective β-adrenergic receptor blocker with IC50 of 42 ng/mL.	392-17-7	tartrate	http://www.selleckchem.com/products/metoprolol-tartrate.html
3651 / 3658 / 3665	I22	S2376	Ammonium Glycyrrhizinate	200	Others	Others	Ammonium Glycyrrhizinate is a unique product derived from Licorice root and has an extremely sweet taste.	1407-03-0	glycyrrhizinate	http://www.selleckchem.com/products/Ammonium-Glycyrrhizinate(AMGZ).html
3651 / 3658 / 3665	J03	S2439	Guanosine	10	Others	Others	Guanosine is a purine nucleoside comprising guanine attached to a ribose (ribofuranose) ring via a β-N9-glycosidic bond.	118-00-3	free base	http://www.selleckchem.com/products/guanosine.html
3651 / 3658 / 3665	J04	S2882	IKK-16 (IKK Inhibitor VII)	200	NF-κB	IkB/IKK	IKK 16 is a selective IκB kinase (IKK) inhibitor for IKK-2, IKK complex and IKK-1 with IC50 of 40 nM, 70 nM and 200 nM, respectively.	873225-46-8	free base	http://www.selleckchem.com/products/ikk-16.html
3651 / 3658 / 3665	J05	S2519	Naphazoline HCl	68	Neuronal Signaling	Adrenergic Receptor	Naphazoline hydrochloride (Naphcon) is an ocular vasoconstrictor and imidazoline derivative sympathomimetic amine.	550-99-2	hydrochloride	http://www.selleckchem.com/products/Naphazoline-hydrochloride-Naphcon.html
3651 / 3658 / 3665	J06	S2895	Tyrphostin 9	198	Protein Tyrosine Kinase	EGFR	Tyrphostin 9 is firstly designed as an EGFR inhibitor with IC50 of 460 µM, but is also found to be more potent to PDGFR with IC50 of 0.5 µM.	10537-47-0	free base	http://www.selleckchem.com/products/tyrphostin-9-sf-6847.html
3651 / 3658 / 3665	J07	S2553	5-Aminolevulinic acid HCl	202	Others	Others	5-Aminolevulinic acid is an intermediate in heme biosynthesis in the body and the universal precursor of tetrapyrroles.	9/2/5451	hydrochloride	http://www.selleckchem.com/products/5-Aminolevulinic-acid-hydrochloride.html
3651 / 3658 / 3665	J08	S2904	PF-477736	14	Cell Cycle	Chk	PF-477736 is a selective, potent and ATP-competitive Chk1 inhibitor with Ki of 0.49 nM and also inhibits VEGFR2, Aurora-A, FGFR3, Flt3, Fms (CSF1R), Ret and Yes. It shows ~100-fold selectivity for Chk1 than Chk2. Phase 1.	952021-60-2	free base	http://www.selleckchem.com/products/pf-477736.html
3651 / 3658 / 3665	J09	S2637	TAK-875	187	Endocrinology & Hormones	GPR	TAK-875 is a selective GPR40 agonist with EC50 of 14 nM, 400-fold more potent than oleic acid.	1374598-80-7	hydrate	http://www.selleckchem.com/products/tak-875.html
3651 / 3658 / 3665	J10	S2914	Dapivirine (TMC120)	103	Microbiology	Reverse Transcriptase	Dapivirine is a non-nucleoside inhibitor for HIV reverse transcriptase with IC50 of 24 nM, inhibits a broad panel of HIV-1 isolates from different classes, including a wide range of NNRTI-resistant isolates. Phase 3.	244767-67-7	free base	http://www.selleckchem.com/products/dapivirine.html
3651 / 3658 / 3665	J11	S2721	Nilvadipine	199	Transmembrane Transporters	Calcium Channel	Nilvadipine is a potent calcium channel blocker with an IC50 of 0.03 nM.	75530-68-6	free base	http://www.selleckchem.com/products/nilvadipine-arc029.html
3651 / 3658 / 3665	J12	S2925	Evacetrapib (LY2484595)	20	Metabolism	CETP	Evacetrapib (LY2484595) is a potent and selective inhibitor of CETP with IC50 of 5.5 nM, elevates HDL cholesterol without increases in aldosterone or blood pressure. Phase 3.	1186486-62-3	free base	http://www.selleckchem.com/products/evacetrapib-ly2484595.html
3651 / 3658 / 3665	J13	S2813	Ciproxifan	139	Neuronal Signaling	Histamine Receptor	Ciproxifan is a highly potent and selective histamin H3-receptor antagonist with IC50 of 9.2 nM, with low apparent affinity at other receptor subtypes.	184025-18-1	maleate	http://www.selleckchem.com/products/ciproxifan.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3651 / 3658 / 3665	J14	S3034	Sitaxentan sodium	83	GPCR & G Protein	Endothelin Receptor	Sitaxentan sodium is a selective endothelin A receptor (ETA) antagonist with IC50 and Ki of 1.4 nM and 0.43 nM, respectively, exhibits 7000-fold selectivity over ETB. Phase 3.	210421-74-2	free base	http://www.selleckchem.com/products/sitaxentan-sodium-tbc-11251.html
3651 / 3658 / 3665	J15	S2825	ML133 HCl	200	Transmembrane Transporters	Potassium Channel	ML133 is a selective potassium channel inhibitor for Kir2.1 with IC50 of 1.8 µM (pH 7.4) and 290 nM (pH 8.5), has no effect on Kir1.1 and weak activity for Kir4.1 and Kir7.1.	1222781-70-5	hydrochloride	http://www.selleckchem.com/products/ML-133-hcl.html
3651 / 3658 / 3665	J16	S3046	Azilsartan	199	Endocrinology & Hormones	RAAS	Azilsartan is an angiotensin II type 1 (AT1) receptor antagonist with IC50 of 2.6 nM.	147403-03-0	free base	http://www.selleckchem.com/products/azilsartan-tak-536.html
3651 / 3658 / 3665	J17	S2849	SB269970 HCl	28	Neuronal Signaling	5-HT Receptor	SB269970 HCl is a hydrochloride salt form of SB-269970, which is a 5-HT7 receptor antagonist with pKi of 8.3, exhibits >50-fold selectivity against other receptors.	261901-57-9	hydrochloride	http://www.selleckchem.com/products/sb-269970-hcl.html
3651 / 3658 / 3665	J18	S3060	Medetomidine HCl	50	Neuronal Signaling	Adrenergic Receptor	Medetomidine is a selective α2-adrenoceptor agonist, with Ki of 1.08 nM, exhibits 1620-fold selectivity over α1-adrenoceptor.	86347-15-1	hydrochloride	http://www.selleckchem.com/products/medetomidine-hcl.html
3651 / 3658 / 3665	J19	S2859	Golitinib (E7050)	31	Protein Tyrosine Kinase	VEGFR,c-Met	Golitinib (E7050) is a dual c-Met and VEGFR-2 inhibitor with IC50 of 14 nM and 16 nM, does not inhibit bFGF-stimulated HUVEC growth (up to 1000 nM). Phase 1/2.	928037-13-2	free base	http://www.selleckchem.com/products/golitinib-e7050.html
3651 / 3658 / 3665	J20	S3076	Foscarnet Sodium	36	Others	Others	Foscarnet Sodium inhibits viral RNA polymerases, reverse transcriptase, and DNA polymerases through noncompetitive inhibition with dNTPs.	63585-09-1	sodium	http://www.selleckchem.com/products/foscarnet-sodium.html
3651 / 3658 / 3665	J21	S2867	WHI-P154	199	JAK/STAT	JAK,EGFR	WHI-P154 is a potent JAK3 inhibitor with IC50 of 1.8 µM, no activity against JAK1 or JAK2, also inhibits EGFR, Src, Abl, VEGFR and MAPK, prevents Stat3, but not Stat5 phosphorylation.	211555-04-3	free base	http://www.selleckchem.com/products/whi-p154.html
3651 / 3658 / 3665	J22	S3105	Nadifloxacin	55	Others	Others	Nadifloxacin is a topical fluoroquinolone antibiotic for the treatment of acne vulgaris.	124858-35-1	free base	http://www.selleckchem.com/products/nadifloxacin.html
3651 / 3658 / 3665	K03	S1138	Brivanib Alaninate (BMS-582664)	199	Protein Tyrosine Kinase	VEGFR,FGFR	Brivanib alaninate (BMS-582664) is the prodrug of BMS-540215, an ATP-competitive inhibitor against VEGFR2 with IC50 of 25 nM.	649735-63-7	alaninate	http://www.selleckchem.com/products/Brivanib-alaninate.html
3651 / 3658 / 3665	K04	S1913	Tropicamide	200	Neuronal Signaling	AChR	Tropicamide is an anticholinergic and a muscarinic receptor subtype M4-preferring antagonist with IC50 of 8.0 nM.	1508-75-4	free base	http://www.selleckchem.com/products/tropicamide.html
3651 / 3658 / 3665	K05	S1235	Letrozole	199	Endocrinology & Hormones	Aromatase	Letrozole is a third generation inhibitor of aromatase with IC50 of 0.07-20 nM.	112809-51-5	free base	http://www.selleckchem.com/products/Letrozole.html
3651 / 3658 / 3665	K06	S1973	Cyclocytidine HCl	10	Others	Others	Cyclocytidine is the prodrug of cytarabine, which is a pyrimidine nucleoside analog that inhibits the DNA synthesis and used mainly in the treatment of leukemia.	10212-25-6	hydrochloride	http://www.selleckchem.com/products/cyclocytidine-hcl.html
3651 / 3658 / 3665	K07	S1322	Dexamethasone (DHAP)	201	Others	Autophagy,IL Receptor	Dexamethasone is an anti-inflammatory and immunosuppressant.	50-02-2	free base	http://www.selleckchem.com/products/Dexamethasone.html
3651 / 3658 / 3665	K08	S2041	Dyclonine HCl	46	Others	Others	Dyclonine hydrochloride is a hydrochloride salt form of dyclonine which is an oral anaesthetic.	536-43-6	hydrochloride	http://www.selleckchem.com/products/dyclonine-hydrochloride.html
3651 / 3658 / 3665	K09	S1362	Rigosertib (ON-01910)	200	Cell Cycle	PLK	Rigosertib (ON-01910) is a non-ATP-competitive inhibitor of PLK1 with IC50 of 9 nM. It shows 30-fold greater selectivity against Plk2 and no activity to Plk3. Phase 3.	1225497-78-8	sodium	http://www.selleckchem.com/products/ON-01910.html
3651 / 3658 / 3665	K10	S2082	Adiphenine HCl	86	Others	Others	Adiphenine is a nicotinic receptor inhibitor with IC50 of 15 µM, used as an antispasmodic drug.	50-42-0	hydrochloride	http://www.selleckchem.com/products/adiphenine-hcl.html
3651 / 3658 / 3665	K11	S1469	Calcifediol	199	Others	Others	Calcifediol is a major circulating metabolite of vitamin D3 and acts as a competitive inhibitor with an apparent Ki of 3.9 µM. It also suppresses PTH secretion and mRNA (ED50=2 nM)	19356-17-3	free base	http://www.selleckchem.com/products/Calcifediol.html
3651 / 3658 / 3665	K12	S2109	Imidapril HCl	199	Endocrinology & Hormones	RAAS	Imidapril HCl is a angiotensin-converting enzyme (ACE) inhibitor with IC50 of 2.6 nM, used for the treatment of hypertension.	89396-94-1	free base	http://www.selleckchem.com/products/imidapril-tanatri.html
3651 / 3658 / 3665	K13	S1611	Cefoperazone	199	Others	Others	Cefoperazone is a cephalosporin antibiotic for inhibition of rMrp2-mediated [3H]E217βG uptake with IC50 of 199 µM.	62893-19-0	free base	http://www.selleckchem.com/products/cefoperazone-cefobid.html
3651 / 3658 / 3665	K14	S2173	Telotristat Etiprate (LX 1606 Hippurate)	100	Metabolism	Hydroxylase	Telotristat Etiprate (LX 1606 Hippurate) is an orally bioavailable, tryptophan hydroxylase (TPH) inhibitor with potential antiserotonergic activity. Phase 3.	11137608-69-5	Salt	www.selleckchem.com/products/telotristat-etiprate-lx-1606-hippurate.html
3651 / 3658 / 3665	K15	S1675	Lubiprostone	199	Others	Others	Lubiprostone(Amitiza) is a gastrointestinal agent used for the treatment of idiopathic chronic constipation.	136790-76-6	free base	http://www.selleckchem.com/products/Lubiprostone(Amitiza).html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3651 / 3658 / 3665	K16	S2258	Esculin	199	Others	Others	Esculin is a glucoside found in horse chestnuts.	531-75-9	free base	http://www.selleckchem.com/products/Aesculin(Esculin).html
3651 / 3658 / 3665	K17	S1748	Nisoldipine	200	Others	Others	Nisoldipine (Sular) is a calcium channel blocker belonging to the dihydropyridines class, specific for L-type Cav1.2 with IC50 of 10 nM.	63675-72-9	free base	http://www.selleckchem.com/products/Nisoldipine(Sular).html
3651 / 3658 / 3665	K18	S2316	Kinetin	199	Others	Others	Kinetin is a type of cytokinin, a class of plant hormone that promotes cell division.	525-79-1	free base	http://www.selleckchem.com/products/Kinetin(6-Furfuryladenine).html
3651 / 3658 / 3665	K19	S1805	Acetylcholine Chloride	198	Neuronal Signaling	AChR	The chemical compound acetylcholine (ACh) is a neurotransmitter in both the peripheral nervous system (PNS) and central nervous system (CNS) in many organisms including humans.	60-31-1	chloride	http://www.selleckchem.com/products/Acetylcholine-chloride.html
3651 / 3658 / 3665	K20	S2350	Rutin	199	Others	Others	Rutin, a flavonol glycoside found in many plants including buckwheat; tobacco; forsythia; hydrangea; viola, etc., which possesses healthy effects for human.	153-18-4	free base	http://www.selleckchem.com/products/Rutin(Rutoside).html
3651 / 3658 / 3665	K21	S1865	Diltiazem HCl	199	Others	Others	Diltiazem HCl (Tiazac) is a benzothiazepine derivative with vasodilating action due to its antagonism of the actions of the calcium ion in membrane functions.	33286-22-5	hydrochloride	http://www.selleckchem.com/products/Diltiazem-HCl(Tiazac).html
3651 / 3658 / 3665	K22	S2383	Gastrodin	174	Others	Others	Gastrodin, an anti-inflammatory polyphenol extracted from Chinese natural herbal Gastrodia elata Blume., benefits neurodegenerative diseases.	62499-27-8	free base	http://www.selleckchem.com/products/Gastrodin(Gastrodine).html
3651 / 3658 / 3665	L03	S2442	Inosine	10	Others	Others	Inosine is a nucleoside that is formed when hypoxanthine is attached to a ribose ring via a β -N9-glycosidic bond.	58-63-9	free base	http://www.selleckchem.com/products/inosine.html
3651 / 3658 / 3665	L04	S2883	4-Aminohippuric Acid	200	Others	Others	4-Aminohippuric acid is a typical substrate of organic anion transport systems.	61-78-9	free base	http://www.selleckchem.com/products/4-aminohippuric-acid.html
3651 / 3658 / 3665	L05	S2521	Epinephrine Bitartrate	201	GPCR & G Protein	Adrenergic Receptor	Epinephrine Bitartrate is alpha- and beta-adrenergic receptor stimulator.	51-42-3	bitartrate	http://www.selleckchem.com/products/Epinephrine-bitartrate-Adrenalinium.html
3651 / 3658 / 3665	L06	S2896	ZM 323881 HCl	24	Protein Tyrosine Kinase	VEGFR	ZM 323881 is a potent and selective VEGFR2 inhibitor with IC50 of <2 nM, almost no activity on VEGFR1, PDGFR β , FGFR1, EGFR and ErbB2.	193000-39-4	hydrochloride	http://www.selleckchem.com/products/zm-323881-hcl.html
3651 / 3658 / 3665	L07	S2573	Tetracaine HCl	199	Transmembrane Transporters	Calcium Channel	Tetracaine hydrochloride (Pontocaine) is a hydrochloride salt form of tetracaine which is a potent local anaesthetic and a channel function allosteric inhibitor.	136-47-0	hydrochloride	http://www.selleckchem.com/products/tetracaine-hydrochloride-pontocaine.html
3651 / 3658 / 3665	L08	S2905	JNJ-7777120	201	Neuronal Signaling	Histamine Receptor	JNJ-7777120 is the first potent and selective non-imidazole histamine H4 receptor antagonist with Ki of 4.5 nM, exhibits >1000-fold selectivity over the other histamin receptors.	459168-41-3	free base	http://www.selleckchem.com/products/jnj-7777120.html
3651 / 3658 / 3665	L09	S2662	ICG-001	182	Stem Cells & Wnt	Wnt/beta-catenin	ICG-001 antagonizes Wnt/ β -catenin/TCF-mediated transcription and specifically binds to element-binding protein (CBP) with IC50 of 3 μ M, but is not the related transcriptional coactivator p300.	780757-88-2	free base	http://www.selleckchem.com/products/icg-001.html
3651 / 3658 / 3665	L10	S2915	GW9662	198	DNA Damage	PPAR	GW9662 is a selective PPAR antagonist for PPAR γ with IC50 of 3.3 nM, with at least 100 to 1000-fold functional selectivity in cells with PPAR γ versus PPAR α and PPAR δ .	22978-25-2	free base	http://www.selleckchem.com/products/gw9662.html
3651 / 3658 / 3665	L11	S2769	Dovitinib (TKI-258) Dilactic Acid	157	Angiogenesis	PDGFR,FGFR,c-Kit,FLT3,VEGFR	Dovitinib Dilactic acid (TKI258 Dilactic acid) is the Dilactic acid of Dovitinib, which is a multitargeted RTK inhibitor, mostly for class III (FLT3/c-Kit) with IC50 of 1 nM/2 nM, also potent to class IV (FGFR1/3) and class V (VEGFR1-4) RTKs with IC50 of 8-13 nM, less potent to InsR, EGFR, c-Met, EphA2, Tie2, IGFR1 and HER2. Phase 4.	852433-84-2	dilactic Acid	http://www.selleckchem.com/products/dovitinib.html
3651 / 3658 / 3665	L12	S2927	Apoptosis Activator 2	199	Apoptosis	Caspase	Apoptosis Activator 2 strongly induces caspase-3 activation, PARP cleavage, and DNA fragmentation which leads to the destruction of cells (Apaf-1 dependent) with IC50 of ~4 μ M, inactive to HMEC, PREC, or MCF-10A cells.	79183-19-0	free base	http://www.selleckchem.com/products/apoptosis-activator-2.html
3651 / 3658 / 3665	L13	S2816	Tyrphostin AG 879	113	Protein Tyrosine Kinase	HER2	Tyrphostin AG 879 potently inhibits HER2/ErbB2 with IC50 of 1 μ M, 100- and 500-fold higher selective to ErbB2 than PDGFR and EGFR.	148741-30-4	free base	http://www.selleckchem.com/products/tyrphostin-ag-879.html
3651 / 3658 / 3665	L14	S3035	Daunorubicin HCl	200	DNA Damage	Telomerase	Daunorubicin HCl inhibits both DNA and RNA synthesis and inhibits DNA synthesis with Ki of 0.02 μ M.	23541-50-6	hydrochloride	http://www.selleckchem.com/products/daunorubicin-hcl-daunomycin-hcl.html
3651 / 3658 / 3665	L15	S2828	JNJ-1661010	98	Metabolism	FAAH	JNJ-1661010 is a potent and selective FAAH inhibitor with IC50 of 10 nM (rat) and 12 nM (human), exhibits >100-fold selectivity for FAAH-1 when compared to FAAH-2.	681136-29-8	free base	http://www.selleckchem.com/products/jnj-1661010.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3651 / 3658 / 3665	L16	S3047	Otilonium Bromide	200	Neuronal Signaling	AChR	Otilonium bromide is an antimuscarinic.	26095-59-0	free base	http://www.selleckchem.com/products/otilonium-bromide.html
3651 / 3658 / 3665	L17	S2851	Baricitinib (LY3009104, INCB028050)	199	Epigenetics	JAK	Baricitinib is a selective JAK1 and JAK2 inhibitor with IC50 of 5.9 nM and 5.7 nM, ~70 and ~10-fold selective versus JAK3 and Tyk2, no inhibition to c-Met and Chk2. Phase 3.	1187594-09-7	free base	http://www.selleckchem.com/products/baricitinib-ly3009104.html
3651 / 3658 / 3665	L18	S3063	Diclofenac Diethylamine	200	Others	Others	Diclofenac diethylamine is a nonsteroidal anti-inflammatory drug taken to reduce inflammation and as an analgesic reducing pain in certain conditions.	78213-16-8	diethylamine	http://www.selleckchem.com/products/diclofenac-diethylamine.html
3651 / 3658 / 3665	L19	S2860	IEM 1754 dihydrobroMide	198	Neuronal Signaling	GluR,5-HT Receptor	IEM 1754 dihydrobroMide is a selective AMPA/kainate receptor blockers for GluR1 and GluR3 with IC50 of 6 µM.	162831-31-4	dihydrobroMide	http://www.selleckchem.com/products/iem-1754-dihydrobromide.html
3651 / 3658 / 3665	L20	S3078	Beclomethasone dipropionate	199	Others	Others	Beclomethasone dipropionate is a potent glucocorticoid steroid used for the treatment of rhinitis and sinusitis.	9/8/5534	free base	http://www.selleckchem.com/products/beclomethasone-dipropionate.html
3651 / 3658 / 3665	L21	S2868	Alogliptin	200	Proteases	DPP-4	Alogliptin is a potent, selective inhibitor of DPP-4 with IC50 of <10 nM, exhibits greater than 10,000-fold selectivity over DPP-8 and DPP-9. Phase 4.	850649-61-5	free base	http://www.selleckchem.com/products/alogliptin-syr322.html
3651 / 3658 / 3665	L22	S3106	Pidotimod	200	Others	Others	Pidotimod is an immunostimulant.	121808-62-6	free base	http://www.selleckchem.com/products/pidotimod.html
3651 / 3658 / 3665	M03	S1148	Docetaxel	200	Cytoskeletal Signaling	Microtubule Associated	Docetaxel, an analog of taxol, is an inhibitor of depolymerisation of microtubules by binding to stabilized microtubules.	114977-28-5	free base	http://www.selleckchem.com/products/Docetaxel(Taxotere).html
3651 / 3658 / 3665	M04	S1921	Phenindione	197	Others	Others	Phenindione is an anticoagulant which functions as a Vitamin K antagonist.	83-12-5	free base	http://www.selleckchem.com/products/Phenindione(Reactadione).html
3651 / 3658 / 3665	M05	S1252	Entecavir Hydrate	199	Others	Others	Entecavir hydrate belongs to the family of medicines called antivirals.	209216-23-9	hydrate	http://www.selleckchem.com/products/Entecavir.html
3651 / 3658 / 3665	M06	S1983	Adenine HCl	46	DNA Damage	DNA/RNA Synthesis	Adenine hydrochloride is a hydrochloride salt form of adenine which is a purine derivative and a nucleobase with a variety of roles in biochemistry.	2922-28-3	hydrochloride	http://www.selleckchem.com/products/adenine-hydrochloride.html
3651 / 3658 / 3665	M07	S1328	Etodolac	201	Neuronal Signaling	COX	Etodolac (Lodine) is a COX inhibitor with an IC50 of 53.5 nM.	41340-25-4	free base	http://www.selleckchem.com/products/Etodolac.html
3651 / 3658 / 3665	M08	S2046	Pioglitazone HCl	201	Metabolism	P450 (e.g. CYP17)	Pioglitazone HCl is a hydrochloride salt form of pioglitazone which is a cytochrome P450 (CYP)2C8 and CYP3A4 enzymes inhibitor for CYP2C8, CYP3A4 and CYP2C9 with Ki of 1.7 µM, 11.8 µM and 32.1 µM, respectively.	112529-15-4	hydrochloride	http://www.selleckchem.com/products/pioglitazone-hydrochloride-actos.html
3651 / 3658 / 3665	M09	S1374	Doripenem Hydrate	82	Others	Others	Doripenem Hydrate is an ultra-broad spectrum injectable antibiotic.	364622-82-2	hydrate	http://www.selleckchem.com/products/Doripenem-Hydrate.html
3651 / 3658 / 3665	M10	S2085	Trimebutine	129	Neuronal Signaling	Opioid Receptor	Trimebutine is an agonist of peripheral mu, kappa and delta opiate receptors, used as spasmolytic agent for treatment of both acute and chronic abdominal pain.	39133-31-8	free base	http://www.selleckchem.com/products/trimebutine.html
3651 / 3658 / 3665	M11	S1480	VX-222 (VCH-222, Lomibuvir)	199	Proteases	HCV Protease	VX-222 (VCH-222) is a novel, potent and selective inhibitor of HCV polymerase with IC50 of 0.94-1.2 µM, 15.3-fold less effective for mutant M423T, and 108-fold less effective for mutant I482L. Phase 2.	1026785-59-0	free base	http://www.selleckchem.com/products/VX-222.html
3651 / 3658 / 3665	M12	S2123	Dextrose	199	Others	Others	Dextrose, a simple sugar (monosaccharide), is an important carbohydrate in biology.	50-99-7	free base	http://www.selleckchem.com/products/Dextrose(D-glucose).html
3651 / 3658 / 3665	M13	S1619	Prilocaine	199	Others	Others	Prilocaine is a local anesthetic of the amino amide type.	721-50-6	free base	http://www.selleckchem.com/products/Prilocaine.html
3651 / 3658 / 3665	M14	S2194	R406	200	Angiogenesis	Syk,FLT3	R406 is a potent Syk inhibitor with IC50 of 41 nM, strongly inhibits Syk but not Lyn, 5-fold less potent to Flt3. Phase 2.	841290-81-1	besylate	http://www.selleckchem.com/products/R406.html
3651 / 3658 / 3665	M15	S1681	Mesalamine	202	Others	Others	Mesalamine is an anti-inflammatory compound.	89-57-6	free base	http://www.selleckchem.com/products/Mesalamine(Lialda).html
3651 / 3658 / 3665	M16	S2280	Chlorogenic Acid	10	Others	Others	Chlorogenic acid is a hydroxycinnamic acid and a member of a family of naturally occurring organic compounds.	327-97-9	free base	http://www.selleckchem.com/products/Chlorogenic-acid.html
3651 / 3658 / 3665	M17	S1759	Pitavastatin Calcium	57	Others	Others	Pitavastatin calcium is a novel member of the medication class of statins.	147526-32-7	calcium	http://www.selleckchem.com/products/Pitavastatin-calcium(Livalo).html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3651 / 3658 / 3665	M18	S2317	L-(+)-Rhamnose Monohydrate	10	Others	Others	L(+)-Rhamnose (Rham) is a naturally-occurring deoxy sugar that is found primarily in plants and some bacteria.	10030-85-0	monohydrate	http://www.selleckchem.com/products/L(+)-Rhamnose-Monohydrate.html
3651 / 3658 / 3665	M19	S1808	Nifedipine	199	Others	Others	Nifedipine(Adalat), a potent vasodilator agent with calcium antagonistic action.	21829-25-4	free base	http://www.selleckchem.com/products/Nifedipine(Adalat).html
3651 / 3658 / 3665	M20	S2354	Sclareol	10	Others	Others	Sclareol, a labdane-type diterpene isolated from clary sage (Salvia sclarea), exerts growth inhibition and cytotoxic activity against a variety of human cancer cell lines.	515-03-7	free base	http://www.selleckchem.com/products/Sclareol.html
3651 / 3658 / 3665	M21	S1880	Roxatidine Acetate HCl	200	Neuronal Signaling	Histamine Receptor	Roxatidine Acetate HCl is a specific and competitive histamin H2-receptor antagonist, with IC50 of 3.2 µM, inhibits gastric acid secretion and ulcer formation.	93793-83-0	hydrochloride	http://www.selleckchem.com/products/roxatidine-acetate-hcl.html
3651 / 3658 / 3665	M22	S2387	Lappaconite HBr	42	Others	Others	Lappaconite Hydrobromide is a kind of alkaloid extracted from Aconitum sinomontanum Nakai and has anti-inflammatory effects.	97792-45-5	hydrobromide	http://www.selleckchem.com/products/Lappaconite-Hydrobromide.html
3651 / 3658 / 3665	N03	S2443	Tolbutamide	10	Transmembrane Transporters	Potassium Channel	Tolbutamide is an inhibitor of cAMP with IC50 of 4 mM.	64-77-7	free base	http://www.selleckchem.com/products/tolbutamide.html
3651 / 3658 / 3665	N04	S2884	Acesulfame Potassium	197	Others	Others	Acesulfame potassium is a non-nutritive sweetener.	55589-62-3	potassium	http://www.selleckchem.com/products/acesulfame-potassium.html
3651 / 3658 / 3665	N05	S2524	Phenytoin sodium	116	Transmembrane Transporters	Sodium Channel	Phenytoin sodium is an inactive voltage-gated sodium channel stabilizer.	630-93-3	sodium	http://www.selleckchem.com/products/Phenytoin-sodium-Dilantin.html
3651 / 3658 / 3665	N06	S2897	ZM 306416	200	Protein Tyrosine Kinase	VEGFR	ZM 306416 is a VEGFR (Fit and KDR) inhibitor for VEGFR1 with IC50 of 0.33 µM, but also found to inhibit EGFR with IC50 of <10 nM.	690206-97-4	free base	http://www.selleckchem.com/products/zm-306416.html
3651 / 3658 / 3665	N07	S2577	Phenacetin	200	Neuronal Signaling	COX	Phenacetin is a non-opioid analgesic without anti-inflammatory properties.	62-44-2	free base	http://www.selleckchem.com/products/phenacetin.html
3651 / 3658 / 3665	N08	S2906	Ki16198	196	GPCR & G Protein	LPA Receptor	Ki16198 is the methyl ester of Ki16425, which is a LPA antagonist and inhibits LPA1- and LPA3-induced inositol phosphate production with Ki of 0.34 µM and 0.93 µM, respectively, shows weaker inhibition for LPA2, no activity at LPA4, LPA5, LPA6.	355025-13-7	free base	http://www.selleckchem.com/products/ki16198.html
3651 / 3658 / 3665	N09	S2672	PF-00562271	21	Angiogenesis	FAK	PF-00562271 is the benzenesulfonate salt of PF-562271, which is a potent, ATP-competitive, reversible inhibitor of FAK with IC50 of 1.5 nM, ~10-fold less potent for Pyk2 than FAK and >100-fold selectivity against other protein kinases, except for some CDKs. Phase 1.	939791-38-5	benzenesulfonic	http://www.selleckchem.com/products/pf-00562271.html
3651 / 3658 / 3665	N10	S2916	ML161	199	Others	Others	ML-161 is an allosteric inhibitor of PAR1 with IC50 of 0.26 µM.	423735-93-7	free base	http://www.selleckchem.com/products/ml-161.html
3651 / 3658 / 3665	N11	S2774	MK-2461	199	Protein Tyrosine Kinase	c-Met, PDGFR, FGF R	MK-2461 is a potent, multi-targeted inhibitor for c-Met(WT/mutants) with IC50 of 0.4-2.5 nM, less potent to Ron, Flt1; 8- to 30-fold greater selectivity of c-Met targets versus FGFR1, FGFR2, FGFR3, PDGFRβ, KDR, Flt3, Flt4, TrkA, and TrkB. Phase 1/2.	917879-39-1	free base	http://www.selleckchem.com/products/mk-2461.html
3651 / 3658 / 3665	N12	S2928	TAK-715	200	MAPK	p38 MAPK	TAK-715 is a p38 MAPK inhibitor for p38α with IC50 of 7.1 nM, 28-fold more selective for p38α over p38β, no inhibition to p38γ/δ, JNK1, ERK1, IKKβ, MEKK1 or TAK1. Phase 2.	303162-79-0	free base	http://www.selleckchem.com/products/tak-715.html
3651 / 3658 / 3665	N13	S2817	Torin 2	46	PI3K/Akt/mTOR	ATM/ATR, mTOR	Torin 2 is a potent and selective mTOR inhibitor with IC50 of 0.25 nM; 800-fold greater selectivity for mTOR than PI3K and improved pharmacokinetic properties. Inhibition of ATM/ATR/DNA-PK with EC50 of 28 nM/35 nM/118 nM, respectively.	1223001-51-1	free base	http://www.selleckchem.com/products/torin-2.html
3651 / 3658 / 3665	N14	S3036	Pravastatin sodium	199	Metabolism	HMG-CoA Reductase	Pravastatin sodium is an HMG-CoA reductase inhibitor against sterol synthesis with IC50 of 5.6 µM.	81131-70-6	free base	http://www.selleckchem.com/products/pravastatin-pravachol.html
3651 / 3658 / 3665	N15	S2830	Clindamycin	200	Others	Others	Clindamycin inhibits protein synthesis by acting on the 50S ribosomal.	18323-44-9	free base	http://www.selleckchem.com/products/clindamycin.html
3651 / 3658 / 3665	N16	S3048	Solifenacin succinate	10	Neuronal Signaling	AChR	Solifenacin succinate is a urinary antispasmodic of the antimuscarinic class.	242478-38-2	succinate	http://www.selleckchem.com/products/solifenacin-succinate.html
3651 / 3658 / 3665	N17	S2852	BRL-54443	199	Neuronal Signaling	5-HT Receptor	BRL 54443 is a 5-HT1E and 5-HT1F receptor agonist with pKi of 8.7 and 9.25, respectively, with weak binding affinity for 5-HT1A, 5-HT1B, 5-HT1D receptors.	57477-39-1	free base	http://www.selleckchem.com/products/brl-54443.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3651 / 3658 / 3665	N18	S3064	Ambroxol HCl	10	Transmembrane Transporters	Sodium Channel	AmbroxolHCl is a potent inhibitor of the neuronal Na ⁺ channels, inhibits TTX resistant Na ⁺ currents with IC50 of 35.2 μM and 22.5 μM for tonic and phasic block, inhibits TTX-sensitive Na ⁺ currents with IC50 of 100 μM. Phase 3.	23828-92-4	hydrochloride	http://www.selleckchem.com/products/ambroxol-hcl.html
3651 / 3658 / 3665	N19	S2861	CTEP (RO4956371)	199	Neuronal Signaling	GluR	CTEP is a novel, long-acting, orally bioavailable allosteric antagonist of mGlu5 receptor with IC50 of 2.2 nM, shows >1000-fold selectivity over other mGlu receptors.	871362-31-1	free base	http://www.selleckchem.com/products/ctep.html
3651 / 3658 / 3665	N20	S3079	Atovaquone	13	Others	Others	Atovaquone is a medication used to treat or prevent for pneumocystis pneumonia, toxoplasmosis, malaria, and babesia.	95233-18-4	free base	http://www.selleckchem.com/products/atovaquone-atavaquone.html
3651 / 3658 / 3665	N21	S2870	TG100713	10	PI3K/Akt/mTOR	PI3K	TG100713 is a pan-PI3K inhibitor against PI3Ky, PI3Kδ, PI3Kα and PI3Kβ with IC50 of 50 nM, 24 nM, 165 nM and 215 nM, respectively.	925705-73-3	free base	http://www.selleckchem.com/products/tg-100713.html
3651 / 3658 / 3665	N22	S3113	Pyridoxine HCl	199	Others	Others	Pyridoxine HCl is a form of vitamin B6.	58-56-0	hydrochloride	http://www.selleckchem.com/products/pyridoxine-hydrochloride.html
3651 / 3658 / 3665	O03	S1195	TAK-700 (Orteronel)	198	Metabolism	P450 (e.g. CYP17)	TAK-700 (Orteronel) is a potent and highly selective human 17,20-lyase inhibitor with IC50 of 38 nM, exhibits >1000-fold selectivity over other CYPs (e.g. 11-hydroxylase and CYP3A4). Phase 3.	426219-18-3	free base	http://www.selleckchem.com/products/TAK-700.html
3651 / 3658 / 3665	O04	S1933	Triamcinolone	200	Others	Others	Triamcinolone is a glucocorticoid given, as the free alcohol or in esterified form, orally, intramuscularly, by local injection, by inhalation, or applied topically in the management of various disorders in which corticosteroids are indicated.	124-94-7	free base	http://www.selleckchem.com/products/Triamcinolone(Aristocort).html
3651 / 3658 / 3665	O05	S1256	Rufinamide	201	Transmembrane Transporters	Sodium Channel	Rufinamide, a triazole derivative, is an anticonvulsant medication.	106308-44-5	free base	http://www.selleckchem.com/products/Rufinamide.html
3651 / 3658 / 3665	O06	S1994	Lacidipine	199	Transmembrane Transporters	Calcium Channel	Lacidipine (Lacipil, Motens) is a L-type calcium channel blocker.	103890-78-4	free base	http://www.selleckchem.com/products/lacidipine-lacipil-motens.html
3651 / 3658 / 3665	O07	S1334	Flupirtine maleate	199	DNA Damage	DNA/RNA Synthesis	Flupirtine maleate is the salt form of Flupirtine, which is a centrally acting non-opioid analgesia, is a selective neuronal potassium channel opener that also has NMDA receptor antagonist properties. Phase 2.	75507-68-5	maleate	http://www.selleckchem.com/products/Flupirtine-maleate.html
3651 / 3658 / 3665	O08	S2051	Captopril	197	Endocrinology & Hormones	RAAS	Captopril is an angiotensin-converting enzyme (ACE) inhibitor with IC50 of 6 nM.	62571-86-2	free base	http://www.selleckchem.com/products/captopril-capoten.html
3651 / 3658 / 3665	O09	S1385	Mosapride Citrate	146	Neuronal Signaling	5-HT Receptor	Mosapride Citrate is a gastroprokinetic agent that acts as a selective 5HT4 agonist.	112885-42-4	citrate	http://www.selleckchem.com/products/Mosapride-citrate.html
3651 / 3658 / 3665	O10	S2092	Detomidine HCl	202	Neuronal Signaling	Adrenergic Receptor	Detomidine produce dose-dependent sedative and analgesic effects, mediated by activation of α2 catecholamine receptors.	90038-01-0	hydrochloride	http://www.selleckchem.com/products/detomidine-hcl.html
3651 / 3658 / 3665	O11	S1534	Org 27569	200	GPCR & G Protein	Cannabinoid Receptor	Org 27569 is an allosteric modulator of cannabinoid CB1 receptor, induces a CB1 receptor state that is characterized by enhanced agonist affinity and decreased inverse agonist affinity.	868273-06-7	free base	http://www.selleckchem.com/products/Org-27569.html
3651 / 3658 / 3665	O12	S2124	Xylose	199	Others	Others	Xylose is a sugar first isolated from wood.	25990-60-7	free base	http://www.selleckchem.com/products/Xylose.html
3651 / 3658 / 3665	O13	S1630	Allopurinol	198	GPCR & G Protein	OX Receptor	Allopurinol (Zyloprim) is a xanthine oxidase inhibitor with an IC50 of 7.82±0.12 μM.	315-30-0	free base	http://www.selleckchem.com/products/Allopurinol(Zyloprim).html
3651 / 3658 / 3665	O14	S2199	Aliskiren Hemifumarate	163	Endocrinology & Hormones	RAAS	Aliskiren hemifumarate is a direct renin inhibitor with IC50 of 1.5 nM.	173334-58-2	fumarate	http://www.selleckchem.com/products/Aliskiren-hemifumarate.html
3651 / 3658 / 3665	O15	S1683	Ipratropium Bromide	201	Others	Others	Ipratropium bromide is a muscarinic antagonist, bronchodilator, N-Isopropyl salt of atropine.	22254-24-6	bromide	http://www.selleckchem.com/products/Ipratropium-bromide.html
3651 / 3658 / 3665	O16	S2286	Cyclosporin A	200	Others	Others	Cyclosporin A is an immunosuppressive agent, binds to the cyclophilin and then inhibits calcineurin with IC50 of 7 nM, widely used in organ transplantation to prevent rejection. Phase 4.	59865-13-3	free base	http://www.selleckchem.com/products/Cyclosporin-A(Cyclosporine-A).html
3651 / 3658 / 3665	O17	S1761	Suprofen	199	Others	Others	Suprofen(Profenal) is an NSAID.	40828-46-4	free base	http://www.selleckchem.com/products/Suprofen(Profenal).html
3651 / 3658 / 3665	O18	S2321	Magnolol	199	Others	Others	Magnolol is a bioactive lignin found in the bark of the Houpu magnolia (Magnolia officinalis) which shows antifungal properties.	528-43-8	free base	http://www.selleckchem.com/products/Magnolol(2,2-Bichavicol).html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3651 / 3658 / 3665	O19	S1823	Fenoprofen Calcium	200	Others	Others	Fenoprofen calcium is a nonsteroidal, anti-inflammatory antiarthritic agent.	34597-40-5	free base	http://www.selleckchem.com/products/fenoprofen-calcium.html
3651 / 3658 / 3665	O20	S2358	Silymarin	201	Others	Others	Silymarin (Silybin B), a polyphenolic flavonoid extracted from the seeds of Silybum marianum or milk thistle, is used in the prevention and treatment of liver diseases and primary liver cancer.	65666-07-1	free base	http://www.selleckchem.com/products/Silymarin(Silybin-B).html
3651 / 3658 / 3665	O21	S1885	Felodipine	200	Transmembrane Transporters	Calcium Channel	Felodipine is a selective L-type Ca ²⁺ channel blocker with IC ₅₀ of 0.15 nM.	72509-76-3	free base	http://www.selleckchem.com/products/Felodipine(Plendil).html
3651 / 3658 / 3665	O22	S2389	Naringin Dihydrochalcone	10	Others	Others	Naringin Dihydrochalcone(Naringin DC) is a new-style sweetening agent and an artificial sweetener derived from naringin.	18916-17-1	free base	http://www.selleckchem.com/products/Naringin-Dihydrochalcone(Naringin-DC).html
3651 / 3658 / 3665	P03	S2449	Forskolin	199	GPCR & G Protein	cAMP	Forskolin is a ubiquitous activator of eukaryotic adenylyl cyclase (AC), commonly used to raise levels of cAMP in the study and research of cell physiology.	66575-29-9	free base	http://www.selleckchem.com/products/forskolin.html
3651 / 3658 / 3665	P04	S2885	A-205804	199	Others	Others	A-205804 is a potent and selective inhibitor of E-selectin and ICAM-1 expression with IC ₅₀ of 20 nM and 25 nM respectively.	251992-66-2	free base	http://www.selleckchem.com/products/a-205804.html
3651 / 3658 / 3665	P05	S2526	Alizarin	199	Metabolism	P450 (e.g. CYP17)	Alizarin strongly inhibits P450 isoform CYP1A1, CYP1A2 and CYP1B1 with IC ₅₀ of 6.2 μM, 10.0 μM and 2.7 μM, respectively; weakly inhibits CYP2A6 and CYP2E1, and does not inhibit CYP2C19, CYP3A4 and CYP3A5.	72-48-0	free base	http://www.selleckchem.com/products/Alizarin.html
3651 / 3658 / 3665	P06	S2899	GNF-2	200	Angiogenesis	Bcr-Abl	GNF-2 is a highly selective non-ATP competitive inhibitor of Bcr-Abl, shows no activity to FIt3-ITD, Tel-PDGFR, TPR-MET and Tel-JAK1 transformed tumor cells.	778270-11-4	free base	http://www.selleckchem.com/products/gnf-2.html
3651 / 3658 / 3665	P07	S2581	Quinapril HCl	37	Endocrinology & Hormones	RAAS	Quinapril hydrochloride (Accupril) is the hydrochloride salt of quinapril that is an angiotensin-converting enzyme inhibitor with a K _i of 20 μM.	82586-55-8	hydrochloride	http://www.selleckchem.com/products/quinapril-hydrochloride-accupril.html
3651 / 3658 / 3665	P08	S2907	Pirfenidone	199	TGF-beta/Smad	TGF-beta/Smad	Pirfenidone is an inhibitor for TGF-β production and TGF-β stimulated collagen production, reduces production of TNF-α and IL-1β, and also has anti-fibrotic and anti-inflammatory properties. Phase 3.	53179-13-8	free base	http://www.selleckchem.com/products/pirfenidone.html
3651 / 3658 / 3665	P09	S2679	Flavopiridol HCl	200	Cell Cycle	CDK	Flavopiridol competes with ATP to inhibit CDKs including CDK1, CDK2, CDK4 and CDK6 with IC ₅₀ of ~ 40 nM. It is 7.5-fold more selective for CDK1/2/4/6 than CDK7. Flavopiridol is initially found to inhibit EGFR and PKA. Phase 1/2.	131740-09-5	hydrochloride	http://www.selleckchem.com/products/flavopiridol-hydrochloride.html
3651 / 3658 / 3665	P10	S2918	HC-030031	90	Others	Others	HC-030031 is a selective TRPA1 channel blocker that antagonizes AITC- and formalin-evoked calcium influx with IC ₅₀ of 6.2 μM and 5.3 μM respectively.	349085-38-7	free base	http://www.selleckchem.com/products/hc-030031.html
3651 / 3658 / 3665	P11	S2782	GW4064	200	Others	FXR	GW4064 is an agonist of farnesoid X receptor (FXR) with EC ₅₀ of 65 nM.	278779-30-9	free base	http://www.selleckchem.com/products/gw-4064.html
3651 / 3658 / 3665	P12	S2929	Pifithrin-α (PFTα)	182	Apoptosis	p53, Autophagy	Pifithrin-α is an inhibitor of p53, inhibiting p53-dependent transactivation of p53-responsive genes.	63208-82-2	HBr	http://www.selleckchem.com/products/pifithrin-alpha.html
3651 / 3658 / 3665	P13	S2818	Ci994 (Tacedinaline)	200	Epigenetics	HDAC	Ci-994 (Tacedinaline) is an anti-cancer drug which inhibits HDAC1 with IC ₅₀ of 0.57 μM and causes G1 cell cycle arrest. Phase 3.	112522-64-2	free base	http://www.selleckchem.com/products/ci994-tacedinaline.html
3651 / 3658 / 3665	P14	S3037	Bepotastine Besilate	199	Neuronal Signaling	Histamine Receptor	Bepotastine is a non-sedating, selective antagonist of histamine 1 (H1) receptor with pIC ₅₀ of 5.7.	190786-44-8	besilate	http://www.selleckchem.com/products/bepotastine-besilate.html
3651 / 3658 / 3665	P15	S2832	Epiandrosterone	199	Endocrinology & Hormones	Androgen Receptor, Estrogen/progestogen Receptor	Epiandrosterone is a steroid hormone with weak androgenic activity, is a natural metabolite of DHEA.	481-29-8	free base	http://www.selleckchem.com/products/epiandrosterone-3beta-androsterone.html
3651 / 3658 / 3665	P16	S3051	Bosentan Hydrate	198	GPCR & G Protein	Endothelin Receptor	Bosentan is an endothelin (ET) receptors antagonist for ET-A and ET-B with K _i of 4.7 nM and 95 nM, respectively.	157212-55-0	hydrate	http://www.selleckchem.com/products/bosentan-hydrate.html
3651 / 3658 / 3665	P17	S2854	BML-190	51	GPCR & G Protein	Cannabinoid Receptor	BML-190 is a selective cannabinoid CB2 receptor inverse agonist with K _i of 435 nM, with 50-fold selectivity over CB1 receptor.	2854-32-2	free base	http://www.selleckchem.com/products/bml-190.html
3651 / 3658 / 3665	P18	S3066	Naloxone HCl	200	Neuronal Signaling	Opioid Receptor	Naloxone HCl is an opioid inverse agonist drug used to counter the effects of opiate overdose.	357-08-4	hydrochloride	http://www.selleckchem.com/products/naloxone-hcl.html
3651 / 3658 / 3665	P19	S2862	VU 0364770	202	Neuronal Signaling	GluR	VU 0364770 is a positive allosteric modulator(PAM) of mGlu4 with EC ₅₀ of 1.1 μM, exhibits insignificant activity at 68 other receptors, including other mGlu subtypes.	61350-00-3	free base	http://www.selleckchem.com/products/vu-0364770.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3651 / 3658 / 3665	P20	S3080	Etravirine (TMC125)	96	Microbiology	Reverse Transcriptase	Etravirine (TMC125) is a non-nucleoside reverse transcriptase inhibitor (NNRTI) used for the treatment of HIV.	269055-15-4	free base	http://www.selleckchem.com/products/etravirine-tmc125.html
3651 / 3658 / 3665	P21	S2871	T0070907	93	DNA Damage	PPAR	T0070907 is a potent and selective PPAR γ inhibitor with IC50 of 1 nM, with a >800-fold selectivity over PPAR α and PPAR δ .	313516-66-4	free base	http://www.selleckchem.com/products/t0070907.html
3651 / 3658 / 3665	P22	S3114	Vitamin C	198	Others	Others	Vitamin C is a water-soluble vitamin indicated for the prevention and treatment of scurvy.	50-81-7	free base	http://www.selleckchem.com/products/vitamin-c-ascorbic-acid.html
3652 / 3659 / 3666	A03	S3116	Sulfathiazole	199	Others	Others	Sulfathiazole is an organosulfur compound that has been used as a short-acting sulfa drug.	72-14-0	free base	http://www.selleckchem.com/products/sulfathiazole.html
3652 / 3659 / 3666	A04	S4045	Pheniramine Maleate	199	Others	Others	Pheniramine Maleate is an antihistamine with anticholinergic properties used to treat allergic conditions such as hay fever or urticaria.	132-20-7	maleate	http://www.selleckchem.com/products/pheniramine-maleate.html
3652 / 3659 / 3666	A05	S3139	Methenamine	199	Others	Others	Methenamine is an antibiotic used for the treatment of urinary tract infection.	100-97-0	free base	http://www.selleckchem.com/products/methenamine-mandelamine.html
3652 / 3659 / 3666	A06	S4054	Spironolactone	199	Endocrinology & Hormones	Androgen Receptor	Spironolactone is a potent antagonist of the androgen receptor with IC50 of 77 nM.	52-01-7	free base	http://www.selleckchem.com/products/spironolactone.html
3652 / 3659 / 3666	A07	S3154	Butenafine HCl	197	Others	Others	Butenafine HCl is a synthetic benzylamine antifungal, works by inhibiting the synthesis of sterols by inhibiting squalene epoxidase.	101827-46-7	hydrochloride	http://www.selleckchem.com/products/butenafine-hydrochloride.html
3652 / 3659 / 3666	A08	S4068	Tinidazole	198	Others	Others	Tinidazole is an anti-parasitic drug.	19387-91-8	free base	http://www.selleckchem.com/products/tinidazole.html
3652 / 3659 / 3666	A09	S3172	Anagrelide HCl	47	Metabolism	PDE	Anagrelide is a drug used for the treatment of essential thrombocytosis.	58579-51-4	hydrochloride	http://www.selleckchem.com/products/anagrelide-hydrochloride.html
3652 / 3659 / 3666	A10	S4078	Mefenamic Acid	198	Neuronal Signaling	COX	Mefenamic acid is a competitive inhibitor of COX-1 and COX-2.	61-68-7	free base	http://www.selleckchem.com/products/mefenamic-acid.html
3652 / 3659 / 3666	A11	S3186	Azatadine dimaleate	200	Neuronal Signaling	Histamine Receptor	Azatadine is a histamine and cholinergic inhibitor with IC50 of 6.5 nM and 10 nM, respectively.	3978-86-7	maleate	http://www.selleckchem.com/products/azatadine-dimaleate.html
3652 / 3659 / 3666	A12	S4088	Flumethasone	199	Others	Others	Flumethasone is a glucocorticoid receptor agonist, this complex binds to the nucleus causing a variety of genetic activation and repressions.	2135-17-3	free base	http://www.selleckchem.com/products/flumethasone.html
3652 / 3659 / 3666	A13	S3202	Catharanthine	199	Others	Others	Catharanthine inhibits nicotinic receptor mediated diaphragm contractions with IC50 of 59.6 μ M	2468-21-5	free base	http://www.selleckchem.com/products/catharanthine.html
3652 / 3659 / 3666	A14	S4098	Halcinonide	200	Others	Others	Halcinonide is a high potency corticosteroid used in topical preparations as an anti-inflammatory agent.	3093-35-4	free base	http://www.selleckchem.com/products/halcinonide.html
3652 / 3659 / 3666	A15	S4003	Lithocholic acid	199	Others	Others	Lithocholic acid is a toxic secondary bile acid, causes intrahepatic cholestasis, has tumor-promoting activity, its toxic effect can be protected after it activates the vitamin D receptor, PXR and FXR.	434-13-9	free base	http://www.selleckchem.com/products/lithocholic-acid.html
3652 / 3659 / 3666	A16	S4107	Clofazimine	10	Others	Others	Clofazimine is a rhimophenazine dye, originally developed for the treatment of tuberculosis, it has both antimicrobial and antiinflammatory activity, postulated mechanisms of action include intercalation of clofazimine with bacterial DNA and increasing levels of cellular phospholipase A2.	2030-63-9	free base	http://www.selleckchem.com/products/clofazimine.html
3652 / 3659 / 3666	A17	S4014	Hyoscyamine	200	Neuronal Signaling	AChR	Hyoscyamine is an AChR inhibitor with IC50 of 7.5 nM.	101-31-5	free base	http://www.selleckchem.com/products/hyoscyamine-daturine.html
3652 / 3659 / 3666	A18	S4118	Histamine 2HCl	16	Neuronal Signaling	Histamine Receptor	Histamine is an organic nitrogen compound, acts on target cells in mammalian brain via stimulation of Histamine 1/2.	56-92-8	hydrochloride	https://www.selleckchem.com/products/histamine-2hcl.html
3652 / 3659 / 3666	A19	S4023	Procaine HCl	201	Transmembrane Transporters	Sodium Channel	Procaine is an inhibitor of sodium channel, NMDA receptor and nAChR with IC50 of 60 μ M, 0.296 mM and 45.5 μ M, which is also an inhibitor of 5-HT3 with KD of 1.7 μ M.	51-05-8	hydrochloride	http://www.selleckchem.com/products/procaine-novocaine-hcl.html
3652 / 3659 / 3666	A20	S4132	Deoxyrbutin	200	Others	Others	Deoxyrbutin is a reversible tyrosinase inhibitor, inhibiting tyrosinase activity with IC50 of 50 nM.	53936-56-4	free base	https://www.selleckchem.com/products/deoxyrbutin.html
3652 / 3659 / 3666	A21	S4037	Doxapram HCl	200	Others	Others	Doxapram HCl inhibits TASK-1, TASK-3, TASK-1/TASK-3 heterodimeric channel function with EC50 of 410 nM, 37 μ M, 9 μ M, respectively.	7081-53-0	hydrochloride	http://www.selleckchem.com/products/doxapram-hcl.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3652 / 3659 / 3666	A22	S4146	Bacitracin	70	Others	Others	Bacitracin is a mixture of related cyclic polypeptides produced by organisms of the licheniformis group of <i>Bacillus subtilis var</i> Tracy, which disrupts both gram positive and gram negative bacteria by interfering with cell wall and peptidoglycan synthesis.	1405-87-4	free base	http://www.selleckchem.com/products/bacitracin.html
3652 / 3659 / 3666	B03	S4161	Benzoic Acid	196	Others	Others	Benzoic acid is a colorless crystalline solid and a simple aromatic carboxylic acid, used as a food preservative.	65-85-0	free base	http://www.selleckchem.com/products/benzoic-acid.html
3652 / 3659 / 3666	B04	S4257	Alizapride HCl	119	Others	Others		59338-87-3	hydrochloride	http://www.selleckchem.com/products/alizapride-hcl.html
3652 / 3659 / 3666	B05	S4170	Coumarin	198	Others	Others	Coumarin is a secondary phytochemical with hepatotoxic and carcinogenic properties.	91-64-5	free base	http://www.selleckchem.com/products/coumarin.html
3652 / 3659 / 3666	B06	S4266	Brimonidine Tartrate	198	Others	Others		70359-46-5	tartrate	http://www.selleckchem.com/products/brimonidine-tartrate.html
3652 / 3659 / 3666	B07	S4179	Mezlocillin Sodium	178	Others	Others	Mezlocillin sodium is a penicillin beta-lactam antibiotic used in the treatment of bacterial infections caused by susceptible, usually gram-positive, organisms.	42057-22-7	sodium	http://www.selleckchem.com/products/mezlocillin-sodium.html
3652 / 3659 / 3666	B08	S4278	Carteolol HCl	65	GPCR & G Protein	Adrenergic Receptor	Carteolol HCl is a β -adrenoceptor antagonist, used for the treatment of glaucoma.	51781-21-6	Salt	www.selleckchem.com/products/carteolol-hcl.html
3652 / 3659 / 3666	B09	S4189	Cyclandelate	199	Others	Others	Cyclandelate is an effective inhibitor of rat hepatic acylcoenzyme A: cholesterol acyltransferase (ACAT) with IC50 of 80 μ M.	456-59-7	free base	http://www.selleckchem.com/products/cyclandelate.html
3652 / 3659 / 3666	B10	S4290	Digoxin	100	Transmembrane Transporters	Sodium Channel	Digoxin is a sodium-potassium pump inhibitor, used in the treatment of atrial fibrillation and heart failure.	20830-75-5	Free Base	www.selleckchem.com/products/digoxin.html
3652 / 3659 / 3666	B11	S4198	Aminothiazole	199	Others	Others	Aminothiazole can be used as a thyroid inhibitor and it has antibacterial activity.	96-50-4	free base	http://www.selleckchem.com/products/aminothiazole.html
3652 / 3659 / 3666	B12	S4420	Mefloquine HCl	82	Others	Others	Mefloquine HCl is a blood schizonticide by inhibiting hemozoin formation, used as an antimalarial drug.	51773-92-3	Salt	www.selleckchem.com/products/mefloquine-hcl.html
3652 / 3659 / 3666	B13	S4207	Clofibrac Acid	200	Others	Others	Clofibrac acid is a PPAR α agonist and hypolipidemic agent.	882-09-7	free base	http://www.selleckchem.com/products/clofibrac-acid.html
3652 / 3659 / 3666	B14	S4921	MNS (3,4-Methylenedioxy- β -nitrostyrene, MDBN)	201	Ubiquitin	p97	MNS is a tyrosine kinases inhibitor, inhibits Syk, Src, p97 with IC50 of 2.5 μ M, 29.3 μ M and 1.7 μ M, respectively.	1485-00-3	free base	http://www.selleckchem.com/products/mdbn.html
3652 / 3659 / 3666	B15	S4217	Liothyronine Sodium	148	Others	Others	Liothyronine Sodium is the most potent form of thyroid hormone acting on the body to increase the basal metabolic rate, affect protein synthesis.	55-06-1	free base	http://www.selleckchem.com/products/liothyronine-sodium.html
3652 / 3659 / 3666	B16	S7016	VS-5584 (SB2343)	71	PI3K/Akt/mTOR	PI3K	VS-5584 (SB2343) is a potent and selective dual PI3K/mTOR inhibitor for mTOR, PI3K α / β / δ / γ with IC50 of 3.4 nM and 2.6-21 nM, respectively. Phase 1.	1246560-33-7	Free Base	www.selleckchem.com/products/vs-5584-sb2343.html
3652 / 3659 / 3666	B17	S4227	Fidaxomicin	94	Others	Others	Fidaxomicin is a narrow spectrum macrocyclic antibiotic that inhibits RNA polymerase sigma subunit.	873857-62-6	free base	http://www.selleckchem.com/products/fidaxomicin.html
3652 / 3659 / 3666	B18	S7036	XL019	35	JAK/STAT	JAK	XL019 is a potent and selective JAK2 inhibitor with IC50 of 2.2 nM, exhibiting >50-fold selectivity over JAK1, JAK3 and TYK2. Phase 1.	945755-56-6	free base	http://www.selleckchem.com/products/xl019.html
3652 / 3659 / 3666	B19	S4237	Primaquine Diphosphate	199	Others	Others	Primaquine Diphosphate is a transmission-blocking anti-malarial clinically available, displaying a marked activity against gametocytes of all species of human malaria.	63-45-6	phosphate	http://www.selleckchem.com/products/primaquine-diphosphate.html
3652 / 3659 / 3666	B20	S7051	CGI1746	100	Angiogenesis	BTK	CGI1746 is a potent and highly selective small-molecule inhibitor of the Btk with IC50 of 1.9 nM.	910232-84-7	Free Base	www.selleckchem.com/products/cgi1746.html
3652 / 3659 / 3666	B21	S4247	Prucalopride Succinat	199	Others	Others	Prucalopride is a selective, high affinity 5-HT4 receptor agonist, inhibiting human 5-HT(4a) and 5-HT(4b) receptor with Ki value of 2.5 nM and 8 nM, respectively.	179474-85-2	succinat	http://www.selleckchem.com/products/prucalopride-succinat.html
3652 / 3659 / 3666	B22	S7076	T0901317	199	Others	Liver X Receptor	T0901317 is a potent and selective agonist for both LXR and FXR, with EC50 of ~50 nM and 5 μ M, respectively.	293754-55-9	free base	http://www.selleckchem.com/products/t0901317.html
3652 / 3659 / 3666	C03	S3121	Ornidazole	200	Others	Others	Ornidazole is a 5-nitroimidazole derivative with antiprotozoal and antibacterial properties against anaerobic bacteria.	16773-42-5	free base	http://www.selleckchem.com/products/ornidazole.html
3652 / 3659 / 3666	C04	S4046	Estradiol Cypionate	79	Endocrinology & Hormones	Estrogen/progestogen	Estradiol cypionate is the 17 β -cyclopentylpropionate ester of estradiol, which inhibits ET-1 synthesis via estrogen receptor.	313-06-4	Free Base	www.selleckchem.com/products/estradiol-cypionate.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3652 / 3659 / 3666	C05	S3140	Milnacipran HCl	201	Others	Others	Milnacipran inhibits both norepinephrine transporter (NET) and norepinephrine transporter (SERT) with IC50 of 77 nM and 420 nM, respectively.	101152-94-7	hydrochloride	http://www.selleckchem.com/products/milnacipran-hydrochloride.html
3652 / 3659 / 3666	C06	S4056	Retapamulin	200	Others	Others	Retapamulin is a topical antibiotic, which binds to both E. coli and S. aureus ribosomes with similar potencies with Kd of 3 nM.	224452-66-8	free base	http://www.selleckchem.com/products/retapamulin.html
3652 / 3659 / 3666	C07	S3155	Mepivacaine HCl	10	Others	Others	Mepivacaine is a tertiary amine used as a local anesthetic.	1722-62-9	hydrochloride	http://www.selleckchem.com/products/mepivacaine-hydrochloride.html
3652 / 3659 / 3666	C08	S4070	Guanidine HCl	198	Others	Others	Guanidine HCl, the crystalline compound of strong alkalinity formed by the oxidation of guanine, is a normal product of protein metabolism and a protein denaturant.	50-01-1	hydrochloride	http://www.selleckchem.com/products/guanidine-aminofomamide-hcl.html
3652 / 3659 / 3666	C09	S3173	Antipyrine	201	Others	Others	Antipyrine is an analgesic and antipyretic agent.	60-80-0	free base	http://www.selleckchem.com/products/antipyrine.html
3652 / 3659 / 3666	C10	S4079	Ticagrelor	200	Neuronal Signaling	P2 Receptor	Ticagrelor is the first reversibly binding oral P2Y12 receptor antagonist, also inhibits CYP2C9 and 4-hydroxylation with IC50 of 10.5 µM and 8.2 µM respectively.	274693-27-5	free base	http://www.selleckchem.com/products/ticagrelor.html
3652 / 3659 / 3666	C11	S3188	(+,-)-Octopamine HCl	200	Others	Others	Octopamine (OA), a biogenic monoamine structurally related to noradrenaline, acts as a neurohormone, a neuromodulator and a neurotransmitter in invertebrates.	770-05-8	hydrochloride	http://www.selleckchem.com/products/octopamine-hcl.html
3652 / 3659 / 3666	C12	S4089	Halobetasol Propionate	200	Others	Others	Halobetasol Propionate is an anti-inflammatory and a dermatologic agent commonly used to treat psoriasis.	66852-54-8	free base	http://www.selleckchem.com/products/halobetasol-propionate.html
3652 / 3659 / 3666	C13	S3204	Meptazinol HCl	200	Others	Others	Meptazinol is a unique centrally active opioid analgesic, which inhibits [3H]dihydromorphine binding with IC50 of 58 nM.	59263-76-2	hydrochloride	http://www.selleckchem.com/products/meptazinol-hydrochloride.html
3652 / 3659 / 3666	C14	S4099	Dexlansoprazole	200	Others	Others	Dexlansoprazole, the dextrorotatory enantiomer of lansoprazole, is a proton pump inhibitor (PPI) formulated to have dual delayed-release properties.	138530-94-6	free base	http://www.selleckchem.com/products/dexlansoprazole.html
3652 / 3659 / 3666	C15	S4004	Ethambutol HCl	201	Others	Others	Ethambutol is a bacteriostatic antimycobacterial agent, which obstructs the formation of cell wall by inhibiting arabinosyl transferases.	1070-11-7	hydrochloride	http://www.selleckchem.com/products/ethambutol-hcl.html
3652 / 3659 / 3666	C16	S4109	Lorcaserin HCl	198	Neuronal Signaling	5-HT Receptor	Lorcaserin HCl is a selective full agonist of human 5-HT2C receptor with Ki of 15 nM.	846589-98-8	hydrochloride	http://www.selleckchem.com/products/lorcaserin-hcl.html
3652 / 3659 / 3666	C17	S4015	Cyclamic acid	200	Others	Others	Cyclamic acid in the form of its sodium or calcium salt is one of the most widely used artificial sweeteners.	100-88-9	free base	http://www.selleckchem.com/products/cyclamic-acid.html
3652 / 3659 / 3666	C18	S4120	Sulconazole Nitrate	199	Others	Others	Sulconazole Nitrate is an imidazole derivative with broad-spectrum antifungal activity.	61318-91-0	nitrate	https://www.selleckchem.com/products/sulconazole-nitrate.html
3652 / 3659 / 3666	C19	S4024	Homatropine Methylbromide	74	Neuronal Signaling	AChR	Homatropine Methylbromide is muscarinic AChR antagonist, inhibits endothelial and smooth muscle muscarinic receptors of WKY-E and SHR-E with IC50 of 162.5 nM and 170.3 nM, respectively.	80-49-9	Methylbromide	http://www.selleckchem.com/products/homatropine-methylbromide.html
3652 / 3659 / 3666	C20	S4135	Clorprenaline HCl	199	Others	Others	Clorprenaline HCl is a β2-receptor agonist, it has a significant expansion of the bronchial effect.	6933-90-0	hydrochloride	http://www.selleckchem.com/products/clorprenaline-hcl.html
3652 / 3659 / 3666	C21	S4038	Dibucaine HCl	200	Transmembrane Transporters	Sodium Channel	Dibucaine HCl is a local anesthetics.	61-12-1	free base	http://www.selleckchem.com/products/dibucaine-cinchocaine-hcl.html
3652 / 3659 / 3666	C22	S4148	Ampicillin Trihydrate	200	Others	Others	Ampicillin Trihydrate is a β-lactam antibiotic, which inhibits bacterial cell-wall synthesis (peptidoglycan cross-linking) by inactivating transpeptidases on the inner surface of the bacterial cell membrane.	7177-48-2	free base	http://www.selleckchem.com/products/ampicillin-trihydrate.html
3652 / 3659 / 3666	D03	S4162	Benzethonium Chloride	200	Others	Others	Benzethonium Chloride is a potent inhibitor of nAChRs, it inhibits α4β2 nAChRs and α7 nAChRs with IC50 of 49 nM and 122 nM, respectively.	121-54-0	chloride	http://www.selleckchem.com/products/benzethonium-chloride.html
3652 / 3659 / 3666	D04	S4258	Luliconazole	200	Others	Others		187164-19-8	free base	http://www.selleckchem.com/products/luliconazole.html
3652 / 3659 / 3666	D05	S4171	Choline Chloride	200	Others	Others	Choline chloride is a quaternary ammonium salt used as an additive for animal feed.	67-48-1	chloride	http://www.selleckchem.com/products/choline-chloride.html
3652 / 3659 / 3666	D06	S4267	Diacerein	130	Others	Others		13739-02-1	free base	http://www.selleckchem.com/products/diacerein.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3652 / 3659 / 3666	D07	S4181	Nicardipine HCl	193	Others	Others	Nicardipine is a dihydropyridine calcium-channel blocking agent used for the treatment of vascular disorders.	54527-84-3	hydrochloride	http://www.selleckchem.com/products/nicardipine-hcl.html
3652 / 3659 / 3666	D08	S4279	Demeclocycline HCl	100	Others	Others	Demeclocycline HCl is a tetracycline antibiotic via inhibition of protein synthesis by bacteria, used for the treatment of bacterial infections.	64-73-3	Salt	www.selleckchem.com/products/demeclocycline-hcl.html
3652 / 3659 / 3666	D09	S4190	Cinchophen	200	Others	Others	Cinchophen is an analgesic drug that is frequently used to treat gout.	132-60-5	free base	http://www.selleckchem.com/products/cinchophen.html
3652 / 3659 / 3666	D10	S4291	Labetalol HCl	72	GPCR & G Protein	Adrenergic Receptor	Labetalol HCl is a dual antagonist for both selective alpha1-adrenergic and nonselective beta-adrenergic receptors, used in the treatment of high blood pressure.	32780-64-6	Salt	www.selleckchem.com/products/labetalol-hcl.html
3652 / 3659 / 3666	D11	S4199	Antazoline HCl	132	Others	Others	Antazoline HCl is a first generation antihistamine, binding to the histamine H1 receptor and blocking the action of endogenous histamine.	2508-72-7	hydrochloride	http://www.selleckchem.com/products/antazoline-hcl.html
3652 / 3659 / 3666	D12	S4627	TTNPB (Arotinoid Acid)	43	Others	Others	TTNPB (Arotinoid Acid) is a potent RAR agonist, and inhibits binding of [3H]TRA with IC50 of 5.1 nM, 4.5 nM, and 9.3 nM for human RAR α , β , and γ , respectively.	71441-28-6	free base	http://www.selleckchem.com/products/tnpb-arotinoid-acid.html
3652 / 3659 / 3666	D13	S4208	Chromocarb	199	Others	Others	Chromocarb is a vasoprotectant.	4940-39-0	free base	http://www.selleckchem.com/products/chromocarb.html
3652 / 3659 / 3666	D14	S4926	(R)-Nepicastat HCl	66	Metabolism	Hydroxylase	(R)-Nepicastat HCl, the R-enantiomer of Nepicastat HCl, is a potent and selective inhibitor with IC50 of 25.1 nM and 18.3 nM for bovine and human dopamine- β -hydroxylase, with negligible affinity for twelve other enzymes and thirteen neurotransmitter receptors.	195881-94-8	Salt	www.selleckchem.com/products/r-nepicastat-hcl.html
3652 / 3659 / 3666	D15	S4219	Azaperone	198	Others	Others	Azaperone is a pyridinylpiperazine and butyrophenone neuroleptic drug with sedative and antiemetic effects, which is used mainly as a tranquilizer in veterinary medicine.	1649-18-9	free base	http://www.selleckchem.com/products/azaperone.html
3652 / 3659 / 3666	D16	S7018	CZC24832	13	PI3K/Akt/mTOR	PI3K	CZC24832 is the first selective PI3K γ inhibitor with IC50 of 27 nM, with 10-fold selectivity over PI3K β and >100-fold selectivity over PI3K α and PI3K δ .	1159824-67-5	free base	http://www.selleckchem.com/products/czc24832.html
3652 / 3659 / 3666	D17	S4228	Fluorometholone Acetate	200	Others	Others	Fluorometholone Acetate is a synthetic corticosteroid, used in the treatment of steroid responsive inflammatory conditions of the eye.	6/7/3801	free base	http://www.selleckchem.com/products/fluorometholone-acetate.html
3652 / 3659 / 3666	D18	S7037	Wnt-C59 (C59)	200	Stem Cells & Wnt	Wnt/beta-catenin	Wnt-C59 (C59) is a PORCN inhibitor for Wnt3A-mediated activation of a multimerized TCF-binding site driving luciferase with IC50 of 74 pM.	1243243-89-1	free base	http://www.selleckchem.com/products/wnt-c59-c59.html
3652 / 3659 / 3666	D19	S4238	Cepharanthine	164	Others	Others	Cepharanthine is a biscochlorine alkaloid inhibiting tumor necrosis factor (TNF)- α -mediated NF κ B stimulation, plasma membrane lipid peroxidation and platelet aggregation and suppressing cytokine production.	481-49-2	free base	http://www.selleckchem.com/products/cepharanthine.html
3652 / 3659 / 3666	D20	S7059	VX-661	192	Transmembrane Transporters	CFTR	VX-661 is a second F508del CFTR corrector and is believed to help CFTR protein reach the cell surface. Phase 2.	1152311-62-0	free base	http://www.selleckchem.com/products/vx-661.html
3652 / 3659 / 3666	D21	S4248	Bromfenac Sodium	199	Others	Others	Bromfenac is a nonsteroidal anti-inflammatory drug (NSAID), which has anti-inflammatory activity and may block prostaglandin synthesis by inhibiting cyclooxygenase 1 and 2.	91714-93-1	sodium	http://www.selleckchem.com/products/bromfenac-sodium.html
3652 / 3659 / 3666	D22	S7077	Cilengitide	10	Others	Integrin	Cilengitide is a potent integrin inhibitor for α v β 3 receptor and α v β 5 receptor with IC50 of 4.1 nM and 79 nM, respectively; ~10-fold selectivity against gp11b/IIIa. Phase 2.	188968-51-6	free base	http://www.selleckchem.com/products/cilengitide-emd-121974-nsc-707544.html
3652 / 3659 / 3666	E03	S3129	Trimethoprim	199	Others	Others	Trimethoprim is a bacteriostatic antibiotic mainly used in the prophylaxis and treatment of urinary tract infections.	738-70-5	free base	http://www.selleckchem.com/products/trimethoprim.html
3652 / 3659 / 3666	E04	S4047	Bisacodyl	199	Others	Others	Bisacodyl (INN) is a stimulant laxative drug that works directly on the colon to produce a bowel movement.	603-50-9	free base	http://www.selleckchem.com/products/bisacodyl.html
3652 / 3659 / 3666	E05	S3144	Darifenacin HBr	230	Neuronal Signaling	AChR	Darifenacin is a selective M3 muscarinic receptor antagonist with pKi of 8.9.	133099-07-7	HBr	http://www.selleckchem.com/products/darifenacin-hydrobromide.html
3652 / 3659 / 3666	E06	S4057	Methyclothiazide	199	Others	Others	Methyclothiazide is a substituted benzothiazide, used to treat high blood pressure and fluid retention caused by various conditions including heart disease.	135-07-9	free base	http://www.selleckchem.com/products/methyclothiazide.html
3652 / 3659 / 3666	E07	S3160	Ethinodiol diacetate	200	Endocrinology & Hormones	Estrogen/progesterone Receptor	Ethinodiol diacetate is one of the first synthetic progestogens used in contraceptive pills.	297-76-7	free base	http://www.selleckchem.com/products/ethynodioldiacetate.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3652 / 3659 / 3666	E08	S4071	Griseofulvin	141	Cytoskeletal Signaling	Microtubule Associated	Griseofulvin, a production from some strains of the mold <i>Penicillium griseofulvum</i> , is able to inhibit cell mitosis by interfering with microtubule function.	126-07-8	free base	http://www.selleckchem.com/products/griseofulvin.html
3652 / 3659 / 3666	E09	S3176	Betahistine 2HCl	181	Neuronal Signaling	Histamine Receptor	Betahistine is a histamine H3 receptors inhibitor with IC50 of 1.9 µM.	5579-84-0	2HCl	http://www.selleckchem.com/products/betahistine-dihydrochloride.html
3652 / 3659 / 3666	E10	S4080	Triamterene	78	Transmembrane Transporters	Sodium Channel	Triamterene blocks epithelial Na ⁺ channel (ENaC) in a voltage-dependent manner with IC50 of 4.5 µM.	396-01-0	free base	http://www.selleckchem.com/products/triamterene.html
3652 / 3659 / 3666	E11	S3190	N6-methyladenosine (m6A)	10	Others	Others	N6-methyl adenosine (N6-methyl ATP) is a base modified analog of adenosine and is found as a minor nucleoside in natural RNAs.	1867-73-8	free base	http://www.selleckchem.com/products/n6-methyladenosine.html
3652 / 3659 / 3666	E12	S4090	Fenspiride HCl	30	Others	Others	Fenspiride is a bronchodilator with anti-inflammatory properties, inhibiting phosphodiesterase 4 and phosphodiesterase 3 activities with logIC50 values of 4.16 and 3.44, respectively, in human isolated bronchi.	8/7/5053	hydrochloride	http://www.selleckchem.com/products/Fenspiride-hcl.html
3652 / 3659 / 3666	E13	S3208	Fexofenadine HCl	198	Neuronal Signaling	Histamine Receptor	Fexofenadine inhibits histamine H1 receptor with IC50 of 246 nM.	153439-40-8	hydrochloride	http://www.selleckchem.com/products/fexofenadine-hcl.html
3652 / 3659 / 3666	E14	S4100	Esmolol HCl	198	Others	Others	Esmolol is a cardioselective b-blocker, used to control rapid heartbeats or abnormal heart rhythms.	81161-17-3	hydrochloride	http://www.selleckchem.com/products/esmolol-hcl.html
3652 / 3659 / 3666	E15	S4005	Doxycycline HCl	10	Others	MMP,Others	Doxycycline HCL is a tetracycline antibiotic that commonly used to treat a variety of infections and MMP inhibitor.	10592-13-9	hydrochloride	http://www.selleckchem.com/products/doxycycline-hcl.html
3652 / 3659 / 3666	E16	S4110	Estradiol Benzoate	75	Others	Others	Estradiol benzoate is an estradiol analog which binds to the human, murine and chicken ERα with IC50 of 22-28 nM.	50-50-0	Free Base	www.selleckchem.com/products/estradiol-benzoate.html
3652 / 3659 / 3666	E17	S4016	Ouabain	200	Transmembrane Transporters	Sodium Channel	Ouabain is a selective Na ⁺ /K ⁺ , -ATPase inhibitor, binds to α2/α3 subunit with Ki of 41 nM/15 nM.	630-60-4	free base	http://www.selleckchem.com/products/ouabain.html
3652 / 3659 / 3666	E18	S4122	Tilmicosin	115	Others	Others	Tilmicosin is a macrolide antibiotic.	108050-54-0	free base	https://www.selleckchem.com/products/tilmicosin.html
3652 / 3659 / 3666	E19	S4025	Homatropine Bromide	199	Neuronal Signaling	AChR	Homatropine Bromide is muscarinic AChR antagonist, inhibits endothelial and smooth muscle muscarinic receptors of WKY-E and SHR-E with IC50 of 162.5 nM and 170.3 nM, respectively.	51-56-9	bromide	http://www.selleckchem.com/products/homatropine-bromide.html
3652 / 3659 / 3666	E20	S4136	Carprofen	200	Others	Others	Carprofen inhibits canine COX2 with IC50 of 0.03 mM.	53716-49-7	free base	http://www.selleckchem.com/products/carprofen.html
3652 / 3659 / 3666	E21	S4039	Methazolamide	198	Metabolism	Carbonic Anhydrase	Methazolamide is a carbonic anhydrase inhibitor with Ki of 50 nM, 14 nM and 36 nM for hCA I, hCA II and bCA IV isoforms, respectively.	554-57-4	free base	http://www.selleckchem.com/products/methazolamide.html
3652 / 3659 / 3666	E22	S4149	Amfenac Sodium Monohydrate	199	Others	Others	Amfenac Sodium monohydrate is a non-steroidal analgesic anti-inflammatory drug with acetic acid moiety.	61618-27-7	free base	http://www.selleckchem.com/products/amfenac-sodium-monohydrate.html
3652 / 3659 / 3666	F03	S4163	Doxycycline Hyclate	194	Others	Others	Doxycycline is a member of the tetracycline antibiotics group, and is commonly used to treat a variety of infections.	24390-14-5	hyclate	http://www.selleckchem.com/products/doxycycline-hyclate.html
3652 / 3659 / 3666	F04	S4259	Vilazodone HCl	200	Others	Others		163521-08-2	hydrochloride	http://www.selleckchem.com/products/vilazodone-hcl.html
3652 / 3659 / 3666	F05	S4172	Cetylpyridinium Chloride	200	Others	Others	Cetylpyridinium chloride is a cationic quaternary ammonium compound used as oropharyngeal antiseptic.	123-03-5	chloride	http://www.selleckchem.com/products/cetylpyridinium-chloride.html
3652 / 3659 / 3666	F06	S4268	Flufenamic acid	199	Others	Others		530-78-9	free base	http://www.selleckchem.com/products/flufenamic-acid.html
3652 / 3659 / 3666	F07	S4182	Nifuroxazide	199	Others	Others	Nifuroxazide is a cell-permeable and orally available nitrofurans-based anti-diarrheal agent that effectively suppresses the activation of cellular STAT1/3/5 transcription activity with IC50 of 3 µM against IL-6-induced STAT3 activation in U3A cells	965-52-6	free base	http://www.selleckchem.com/products/nifuroxazide.html
3652 / 3659 / 3666	F08	S4280	Meclofenoxate (Centrophenoxine) HCl	58	Others	Others	Meclofenoxate (Centrophenoxine) HCl is an anti-aging drug used to treat the symptoms of senile dementia and Alzheimer's disease, and also inhibits the activity of cholinephosphotransferase.	3685-84-5	Salt	www.selleckchem.com/products/meclofenoxate-centrophenoxine-hci.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3652 / 3659 / 3666	F09	S4191	Betamipron	201	Others	Others	Betamipron is a chemical compound which is used together with panipenem to inhibit panipenem uptake into the renal tubule and prevent nephrotoxicity.	3440-28-6	free base	http://www.selleckchem.com/products/betamipron.html
3652 / 3659 / 3666	F10	S4292	Diphenidol HCl	69	Neuronal Signaling	AChR	Diphenidol HCl is a potent antagonist of muscarinic M2 and M3 receptor with pKb of 6.72 and 7.02, respectively, used in the treatment of vomiting and vertigo.	3254-89-5	Salt	www.selleckchem.com/products/diphenidol-hcl.html
3652 / 3659 / 3666	F11	S4200	Tolperisone HCl	198	Others	Others	Tolperisone HCl is an ion channel blocker and centrally-acting muscle relaxant.	3644-61-9	hydrochloride	http://www.selleckchem.com/products/tolperisone-hcl.html
3652 / 3659 / 3666	F12	S4900	Tenovin-6	215	Apoptosis	p53	Tenovin-6 is a small molecule activator of p53 transcriptional activity.	1011557-82-6	free base	http://www.selleckchem.com/products/tenovin-6.html
3652 / 3659 / 3666	F13	S4209	Chlorocresol	203	Others	Others	Chlorocresol is an activator of ryanodine receptor	59-50-7	free base	http://www.selleckchem.com/products/chlorocresol.html
3652 / 3659 / 3666	F14	S5001	Tofacitinib (CP-690550) Citrate	198	JAK/STAT	JAK	Tofacitinib citrate (CP-690550 citrate) is a novel inhibitor of JAK3 with IC50 of 1 nM, 20- to 100-fold less potent against JAK2 and JAK1.	540737-29-9	citrate	http://www.selleckchem.com/products/CP-690550.html
3652 / 3659 / 3666	F15	S4220	Bosentan	100	GPCR & G Protein	Endothelin Receptor	Bosentan is an endothelin (ET) receptor antagonist for ET-A and ET-B with Ki of 4.7 nM and 95 nM, respectively.	147536-97-8	Free Base	www.selleckchem.com/products/bosentan.html
3652 / 3659 / 3666	F16	S7023	Z-VAD-FMK	93	Apoptosis	Caspase	Z-VAD-FMK is a cell-permeable, irreversible pan-caspase inhibitor, blocks all features of apoptosis.	187389-52-2	Free Base	www.selleckchem.com/products/z-vad-fmk.html
3652 / 3659 / 3666	F17	S4229	Oxybuprocaine HCl	200	Others	Others	Oxybuprocaine HCl is a local anesthetic, which is used especially in ophthalmology and otolaryngology.	5987-82-6	hydrochloride	http://www.selleckchem.com/products/oxybuprocaine-hcl.html
3652 / 3659 / 3666	F18	S7039	PD168393	200	Protein Tyrosine Kinase	EGFR	PD168393 is an irreversible EGFR inhibitor with IC50 of 0.70 nM, irreversibly alkylate Cys-773; inactive against insulin, PDGFR, FGFR and PKC.	194423-15-9	free base	http://www.selleckchem.com/products/pd168393.html
3652 / 3659 / 3666	F19	S4239	Bergapten	23	Others	Others	Bergapten is a psoralen that can be photoactivated and is capable of cross-linking DNA, covalently modifying proteins and lipids, and consequently inhibiting cell replication.	484-20-8	free base	http://www.selleckchem.com/products/bergapten.html
3652 / 3659 / 3666	F20	S7060	PP1	14	Angiogenesis	Src	PP1 is a potent and selective Src inhibitor for Lck/Fyn with IC50 of 5 nM/ 6 nM.	172889-26-8	free base	http://www.selleckchem.com/products/pp1.html
3652 / 3659 / 3666	F21	S4249	Flopropione	197	Others	Others	Flopropione is a spasmolytic or antispasmodic agent, and acts as a 5-HT1A receptor antagonist.	2295-58-1	free base	http://www.selleckchem.com/products/flopropione.html
3652 / 3659 / 3666	F22	S7079	SGC 0946	161	Epigenetics	Histone Methyltransferase	SGC 0946 is a highly potent and selective DOT1L methyltransferase inhibitor with IC50 of 0.3 nM, is inactive against a panel of 12 PMTs and DNMT1.	N/A	free base	http://www.selleckchem.com/products/sgc-0946.html
3652 / 3659 / 3666	G03	S3130	Biotin (Vitamin B7)	200	Others	Others	Biotin is a water-soluble B-vitamin and is necessary for cell growth, the production of fatty acids, and the metabolism of fats and amino acids.	58-85-5	free base	http://www.selleckchem.com/products/biotin-vitamin-b7.html
3652 / 3659 / 3666	G04	S4048	Carbimazole	204	Others	Others	Carbimazole is an imidazole antithyroid agent.	22232-54-8	free base	http://www.selleckchem.com/products/carbimazole.html
3652 / 3659 / 3666	G05	S3146	Tripelennamine HCl	10	Neuronal Signaling	Histamine Receptor	Tripelennamine is a widely used H1 antagonist, inhibiting PhIP glucuronidation with IC50 of 30 µM.	154-69-8	hydrochloride	http://www.selleckchem.com/products/tripelennamine-hydrochloride.html
3652 / 3659 / 3666	G06	S4059	Sodium Nitroprusside	229	Others	Others	Sodium Nitroprusside is a potent vasodilator working through releasing NO spontaneously in blood.	14402-89-2	sodium	http://www.selleckchem.com/products/sodium-nitroprusside.html
3652 / 3659 / 3666	G07	S3161	Sertaconazole nitrate	199	Others	Others	Sertaconazole nitrate is a topical broad-spectrum antifungal that is developed to provide an additional agent for the treatment of superficial cutaneous and mucosal infections.	99592-39-9	nitrate	http://www.selleckchem.com/products/sertaconazole-nitrate.html
3652 / 3659 / 3666	G08	S4072	Decamethonium Bromide	81	Neuronal Signaling	AChR	Decamethonium Bromide is a nicotinic AChR partial agonist and neuromuscular blocking agent.	541-22-0	bromide	http://www.selleckchem.com/products/decamethonium-bromide.html
3652 / 3659 / 3666	G09	S3178	Brinzolamide	200	Metabolism	Carbonic Anhydrase	Brinzolamide is a potent carbonic anhydrase II inhibitor with IC50 of 3.19 nM.	138890-62-7	free base	http://www.selleckchem.com/products/brinzolamide.html
3652 / 3659 / 3666	G10	S4081	Sulfacetamide Sodium	80	Ubiquitin	Autophagy	Sulfacetamide Sodium is an anti-biotic.	127-56-0	sodium	http://www.selleckchem.com/products/sulfacetamide-sodium.html
3652 / 3659 / 3666	G11	S3193	Ticarcillin sodium	199	Others	Others	Ticarcillin is a semisynthetic antibiotic with a broad spectrum of bactericidal activity against many gram-positive and gram-negative aerobic and anaerobic bacteria.	29457-07-6	sodium	http://www.selleckchem.com/products/ticarcillin-sodium.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3652 / 3659 / 3666	G12	S4091	Ifenprodil Tartrate	199	Neuronal Signaling	GluR	Ifenprodil is an atypical noncompetitive antagonist at the NMDA receptor, it interacts with high affinity at a homogeneous population of NMDA receptors in neonatal rat forebrain with IC50 of 0.3 μ M.	23210-58-4	tartrate	http://www.selleckchem.com/products/ifenprodil-tartrate.html
3652 / 3659 / 3666	G13	S3209	Amidopyrine	198	Others	Others	Amidopyrine is white crystalline substance used as an analgesic and antipyretic.	58-15-1	free base	http://www.selleckchem.com/products/amidopyrine.html
3652 / 3659 / 3666	G14	S4101	Voglibose	276	Others	Others	Voglibose is an N-substituted derivative of valiolamine, excellent inhibitory activity against α -glucosidases and its action against hyperglycemia and various disorders caused by hyperglycemia.	83480-29-9	free base	http://www.selleckchem.com/products/voglibose.html
3652 / 3659 / 3666	G15	S4007	Pentamidine	287	Others	Others	Pentamidine is an inhibitor of α -PRL Phosphatases and also inhibits synthesis of DNA, RNA and protein.	50357-45-4	hydrochloride	http://www.selleckchem.com/products/pentamidine.html
3652 / 3659 / 3666	G16	S4111	Dicloxacillin Sodium	195	Others	Others	Dicloxacillin is a β -lactamase resistant penicillin similar to oxacillin and it has activity against gram-positive/negative aerobic and anaerobic bacteria.	343-55-5	sodium	http://www.selleckchem.com/products/dicloxacillin-sodium.html
3652 / 3659 / 3666	G17	S4017	Allylthiourea	197	Others	Others	Allylthiourea is a metabolic inhibitor that selective inhibits ammonia oxidation.	109-57-9	free base	http://www.selleckchem.com/products/allylthiourea.html
3652 / 3659 / 3666	G18	S4123	Timolol Maleate	198	Neuronal Signaling	Adrenergic Receptor	Timolol Maleate is a non-selective, beta-adrenergic receptor antagonist for β 1/ β 2 with Ki of 1.97 nM/2.0 nM.	26921-17-5	maleate	https://www.selleckchem.com/products/timolol-maleate.html
3652 / 3659 / 3666	G19	S4026	Hydroxyzine 2HCl	10	Neuronal Signaling	Histamine Receptor	Hydroxyzine is a histamine H1-receptor antagonist, inhibits binding of [3H]pyrilamine/[3H]desloratadine to human histamine H1 receptor with IC50 of 10 nM/19 nM.	2192-20-3	hydrochloride	http://www.selleckchem.com/products/hydroxyzine-2hcl.html
3652 / 3659 / 3666	G20	S4138	Dropropizine	198	Others	Others	Dropropizine is a racemic non-opiate antitussive agent, it is used as a cough suppressant.	17692-31-8	free base	http://www.selleckchem.com/products/dropropizine.html
3652 / 3659 / 3666	G21	S4040	Norethindrone	201	Others	Others	Norethindrone is a synthetic progestin, which mimic the actions of the endogenous ovarian hormone progesterone.	68-22-4	free base	http://www.selleckchem.com/products/norethindrone-norethisterone.html
3652 / 3659 / 3666	G22	S4151	Penfluridol	190	Others	Others	Penfluridol is a highly potent, first generation diphenylbutylpiperidine antipsychotic.	26864-56-2	free base	http://www.selleckchem.com/products/penfluridol.html
3652 / 3659 / 3666	H03	S4164	Doxofylline	199	Others	Others	Doxofylline is a phosphodiesterase inhibitor and a xanthine derivative drug for asthma.	69975-86-6	free base	http://www.selleckchem.com/products/doxofylline.html
3652 / 3659 / 3666	H04	S4260	Tamibarotene	199	Others	Others	Tamibarotene, also called retinobenzoic acid, is orally active, synthetic retinoid, developed to overcome all-trans retinoic acid (ATRA) resistance, with potential antineoplastic activity against acute promyelocytic leukaemia (APL).	94497-51-5	free base	http://www.selleckchem.com/products/tamibarotene.html
3652 / 3659 / 3666	H05	S4173	1-Hexadecanol	280	Others	Others	1-Hexadecanol is a fatty alcohol used to make other chemicals.	36653-82-4	free base	http://www.selleckchem.com/products/1-hexadecanol.html
3652 / 3659 / 3666	H06	S4269	Vinorelbine Tartrate	100	Cytoskeletal Signaling	Microtubule Associat	Vinorelbine Tartrate is a semi-synthetic vinca alkaloid, and inhibits mitosis through interaction with tubulin.	125317-39-7	Salt	http://www.selleckchem.com/products/vinorelbine-tartrate.html
3652 / 3659 / 3666	H07	S4184	Penciclovir	134	Others	Others	Penciclovir is a purine acyclic nucleoside analogue with potent antiviral activity.	39809-25-1	free base	http://www.selleckchem.com/products/penciclovir.html
3652 / 3659 / 3666	H08	S4282	Nelfinavir Mesylate	100	Proteases	HIV Protease	Nelfinavir Mesylate is a potent HIV protease inhibitor with Ki of 2 nM.	159989-65-8	Salt	http://www.selleckchem.com/products/nelfinavir-mesylate.html
3652 / 3659 / 3666	H09	S4192	Chlorquinaldol	201	Others	Others	Chlorquinaldol is an antimicrobial agent used for local antiseptic.	72-80-0	free base	http://www.selleckchem.com/products/chlorquinaldol.html
3652 / 3659 / 3666	H10	S4293	Promethazine HCl	64	Neuronal Signaling	Histamine Receptor	Promethazine HCl is a potent histamine H1 receptor antagonist, used as a sedative and antiallergic medication.	58-33-3	Salt	http://www.selleckchem.com/products/promethazine-hcl.html
3652 / 3659 / 3666	H11	S4201	Florfenicol	200	Others	Others	Florfenicol is a fluorinated synthetic analog of thiamphenicol with broad-spectrum, primarily bacteriostatic activity.	73231-34-2	free base	http://www.selleckchem.com/products/florfenicol.html
3652 / 3659 / 3666	H12	S4901	JNK-IN-8	100	MAPK	JNK	JNK-IN-8 is the first irreversible JNK inhibitor for JNK1, JNK2 and JNK4 with IC50 of 4.7 nM, 18.7 nM and 1 nM, >10-fold selectivity against MNK2, Fms and no inhibition to c-Kit, Met, PDGFR β .	1410880-22-6	Free Base	http://www.selleckchem.com/products/jnk-in-8.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3652 / 3659 / 3666	H13	S4210	Benzocaine	199	Others	Others	Benzocaine is the ethyl ester of p-aminobenzoic acid (PABA), it is a local anesthetic commonly used as a topical pain reliever or in cough drops.	94-09-7	free base	http://www.selleckchem.com/products/benzocaine.html
3652 / 3659 / 3666	H14	S7000	AP26113	85	Protein Tyrosine Kinase	ALK	AP26113 is a potent ALK inhibitor with IC50 of 0.62 nM, demonstrated ability overcome Crizotinib resistance mediated by a L1196M mutation. Phase 1/2.	1197958-12-5	free base	http://www.selleckchem.com/products/ap26113.html
3652 / 3659 / 3666	H15	S4221	Benzbromarone	200	Others	Others	Benzbromarone is a CYP2C9 inhibitor, it binds to CYP2C9 with Ki value of 19.3 nM.	3562-84-3	free base	http://www.selleckchem.com/products/benzbromarone.html
3652 / 3659 / 3666	H16	S7024	Stattic	198	JAK/STAT	STAT	Stattic, the first nonpeptidic small molecule, potently inhibits STAT3 activation and nuclear translocation with IC50 of 5.1 μM, highly selectivity over STAT1.	19983-44-9	free base	http://www.selleckchem.com/products/stattic.html
3652 / 3659 / 3666	H17	S4230	Oxaprozin	201	Others	Others	Oxaprozin is a non-narcotic, non-steroidal anti-inflammatory drug (NSAID) used to relieve the inflammation, swelling, stiffness, and joint pain associated with osteoarthritis and rheumatoid arthritis.	21256-18-8	free base	http://www.selleckchem.com/products/oxaprozin.html
3652 / 3659 / 3666	H18	S7040	AZD3514	192	Endocrinology & Hormones	Androgen Receptor	AZD3514 is a potent and oral androgen receptor downregulator with Ki of 2.2 μM and has ability of reducing AR protein expression.	1240299-33-5	free base	http://www.selleckchem.com/products/azd3514.html
3652 / 3659 / 3666	H19	S4240	Doxylamine Succinate	200	Others	Others	Doxylamine succinate competitively inhibits histamine at H1 receptors with substantial sedative and anticholinergic effects.	562-10-7	succinate	http://www.selleckchem.com/products/doxylamine-succinate.html
3652 / 3659 / 3666	H20	S7062	EPZ5676	177	Epigenetics	Histone Methyltransferase	EPZ-5676 is an S-adenosyl methionine (SAM) competitive inhibitor of protein methyltransferase DOT1L with Ki of 80 pM, demonstrating >37,000-fold selectivity against all other PMTs tested, inhibits H3K79 methylation in tumor. Phase 1.	1380288-87-8	free base	http://www.selleckchem.com/products/epz-5676.html
3652 / 3659 / 3666	H21	S4250	Sulfamethoxy pyridazine	199	Others	Others	Sulfamethoxy pyridazine is a long-acting sulfonamide for treatment of Dermatitis herpetiformis.	80-35-3	free base	http://www.selleckchem.com/products/sulfamethoxy-pyridazine.html
3652 / 3659 / 3666	H22	S7083	LDK378	35	Protein Tyrosine Kinase	ALK	LDK378 is potent inhibitor against ALK with IC50 of 0.2 nM, shows 40- and 35-fold selectivity against IGF-1R and InsR, respectively. Phase 2.	1032900-25-6	free base	http://www.selleckchem.com/products/ldk378.html
3652 / 3659 / 3666	I03	S3132	Sulfamerazine	200	Others	Others	Sulfamerazine is a sulfonamide antibacterial.	127-79-7	free base	http://www.selleckchem.com/products/sulfamerazine.html
3652 / 3659 / 3666	I04	S4049	Valdecoxib	200	Neuronal Signaling	COX	Valdecoxib is a potent and selective inhibitor of COX-2 with IC50 of 5 nM.	181695-72-7	free base	http://www.selleckchem.com/products/valdecoxib.html
3652 / 3659 / 3666	I05	S3147	Entacapone	199	Epigenetics	Histone Methyltransferase	Entacapone inhibits catechol-O-methyltransferase(COMT) with IC50 of 151 nM.	130929-57-6	free base	http://www.selleckchem.com/products/entacapone.html
3652 / 3659 / 3666	I06	S4062	Ronidazole	199	Others	Others	Ronidazole is an antiprotozoal agent.	7681-76-7	free base	http://www.selleckchem.com/products/ronidazole.html
3652 / 3659 / 3666	I07	S3162	Tylosin tartrate	281	Others	Others	Tylosin tartrate is a macrolide antibiotic approved for the control of mycoplasmosis in poultry.	74610-55-2	tartrate	http://www.selleckchem.com/products/tylosin-tartrate.html
3652 / 3659 / 3666	I08	S4073	Sodium 4-Aminosalicylate	198	NF-κB	NF-κB	Sodium 4-Aminosalicylate is an antibiotic used to treat tuberculosis via NF-κB inhibition and free radical scavenging.	6018-19-5	sodium	http://www.selleckchem.com/products/aminosalicylate-sodium.html
3652 / 3659 / 3666	I09	S3179	Carbenicillin disodium	11	Others	Others	Carbenicillin is a semi-synthetic penicillin antibiotic which interferes with cell wall synthesis of gram-negative bacteria while displaying low toxicity.	4800-94-6	disodium	http://www.selleckchem.com/products/carbenicillin-disodium.html
3652 / 3659 / 3666	I10	S4082	Spiramycin	118	Others	Others	Spiramycin is a 16-membered ring macrolide (antibiotic).	8025-81-8	free base	http://www.selleckchem.com/products/spiramycin.html
3652 / 3659 / 3666	I11	S3195	Azlocillin sodium salt	200	Others	Others	Azlocillin is an acylampicillin with a broad spectrum against bacteria.	37091-65-9	sodium	http://www.selleckchem.com/products/azlocillin-sodium-salt.html
3652 / 3659 / 3666	I12	S4092	Pramoxine HCl	200	Others	Others	Pramoxine is a topical local anesthetic that has been shown to have antipruritic properties.	637-58-1	hydrochloride	http://www.selleckchem.com/products/pramoxine-hcl.html
3652 / 3659 / 3666	I13	S3600	Schisandrin B (Sch B)	10	Others	Others	Schisandrin B is the most abundant dibenzocyclooctadiene lignan present in the traditional Chinese medicinal herb Schisandra chinensis (Turcz.) Baill.	61281-37-6	free base	http://www.selleckchem.com/products/schisandrin-b.html
3652 / 3659 / 3666	I14	S4102	Eprosartan Mesylate	199	Others	Others	Eprosartan is a nonpeptide angiotensin II receptor antagonist, [3H]-eprosartan binds to the AT1 receptor with KD of 0.83 nM in rat vascular smooth muscle cells.	144143-96-4	free base	http://www.selleckchem.com/products/eprosartan-mesylate.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3652 / 3659 / 3666	I15	S4009	Mirabegron	199	Neuronal Signaling	Adrenergic Receptor	Mirabegron is a selective β 3-adrenoceptor agonist with EC50 of 22.4 nM.	223673-61-8	free base	http://www.selleckchem.com/products/mirabegron-ym178.html
3652 / 3659 / 3666	I16	S4112	Desvenlafaxine Succinate	209	Neuronal Signaling	5-HT Receptor	Desvenlafaxine Succinate is a new serotonin (5-HT) transporter and norepinephrine (NE) transporter reuptake inhibitor with Ki of 40.2 nM and 558.4 nM respectively.	386750-22-7	succinate	http://www.selleckchem.com/products/desvenlafaxine-succinate.html
3652 / 3659 / 3666	I17	S4019	Avanafil	200	Metabolism	PDE	Avanafil is a highly selective PDE5 inhibitor with IC50 of 1 nM.	330784-47-9	free base	http://www.selleckchem.com/products/avanafil.html
3652 / 3659 / 3666	I18	S4124	Tolazoline HCl	198	Neuronal Signaling	Adrenergic Receptor	Tolazoline is a non-selective competitive α -adrenergic receptor antagonist.	59-97-2	free base	https://www.selleckchem.com/products/tolazoline-hcl.html
3652 / 3659 / 3666	I19	S4027	Flavoxate HCl	10	Neuronal Signaling	AChR	Flavoxate is a muscarinic AChR antagonist with IC50 of 12.2 μ M.	3717-88-2	hydrochloride	http://www.selleckchem.com/products/flavoxate-hcl.html
3652 / 3659 / 3666	I20	S4139	Cyclizine 2HCl	20	Neuronal Signaling	Histamine Receptor	Cyclizine 2HCl is a piperazine derivative with Histamine H1 receptor antagonist activity.	5897-18-7	hydrochloride	http://www.selleckchem.com/products/cyclizine-2hcl.html
3652 / 3659 / 3666	I21	S4041	Olsalazine Sodium	11	Others	Others	Olsalazine Sodium is a anti-inflammatory prodrug, which consists of two 5-ASA moieties linked by an azo bond.	6054-98-4	free base	http://www.selleckchem.com/products/olsalazine-sodium.html
3652 / 3659 / 3666	I22	S4152	Ethamsylate	201	Others	Others	Ethamsylate is a haemostatic drug, which inhibits biosynthesis and action of prostaglandins, and increases capillary endothelial resistance as and platelet adhesion.	2624-44-4	free base	http://www.selleckchem.com/products/ethamsylate.html
3652 / 3659 / 3666	J03	S4165	Benzydamine HCl	199	Others	Others	Benzydamine hydrochloride is a topical nonsteroidal anti-inflammatory drug (NSAID) with anti-inflammatory, analgesic, antipyretic and local anesthetic activity.	132-69-4	hydrochloride	http://www.selleckchem.com/products/benzydamine-hcl.html
3652 / 3659 / 3666	J04	S4261	EUK 134	199	Neuronal Signaling	Beta Amyloid	EUK 134, a synthetic superoxide dismutase (SOD)/catalase mimetic, exhibits potent antioxidant activities, and inhibits the formation of β -amyloid and related amyloid fibril.	81065-76-1	free base	http://www.selleckchem.com/products/euk-134.html
3652 / 3659 / 3666	J05	S4175	Sulfaguanidine	200	Others	Others	Sulfaguanidine is a sulfonamide used as an anti-infective agent.	57-67-0	free base	http://www.selleckchem.com/products/sulfaguanidine.html
3652 / 3659 / 3666	J06	S4270	Oxiracetam	31	Others	Others	Oxiracetam, a cyclic derivative of gamma-aminobutyric acid (GABA), is used as a nootropic drug to improve memory and learning.	62613-82-5	Free Base	www.selleckchem.com/products/oxiracetam.html
3652 / 3659 / 3666	J07	s4185	Tiratricol	160	Others	Others	Tiratricol (also known as TRIAC or triiodothyroacetic acid) is a thyroid hormone analogue.	51-24-1	free base	http://www.selleckchem.com/products/tiratricol.html
3652 / 3659 / 3666	J08	S4284	Chloroprocaine HCl	61	Others	Others	Chloroprocaine HCl is a local anesthetic during surgical procedures.	3858-89-7	Salt	www.selleckchem.com/products/chloroprocaine-hcl.html
3652 / 3659 / 3666	J09	S4194	Azaguanine-8	39	Others	Others	Azaguanine-8 is a purine analogs showing antineoplastic activity by competing with guanine in the metabolism.	134-58-7	free base	http://www.selleckchem.com/products/azaguanine-8.html
3652 / 3659 / 3666	J10	S4294	Procainamide HCl	54	Transmembrane Transporters	Sodium Channel	Procainamide HCl is a sodium channel blocker, and also a DNA methyltransferase inhibitor, used in the treatment of cardiac arrhythmias.	614-39-1	Salt	www.selleckchem.com/products/procainamide-hcl.html
3652 / 3659 / 3666	J11	S4203	Furaltadone HCl	47	Others	Others	Furaltadone HCl is an antibacterial and has distinct curative effect in the treatment of coccidiosis.	3759-92-0	hydrochloride	http://www.selleckchem.com/products/furaltadone-hcl.html
3652 / 3659 / 3666	J12	S4902	QNZ (EVP4593)	14	NF- κ B	TNF- α ,NF- κ B	QNZ (EVP4593) shows potent inhibitory activity toward both NF- κ B activation and TNF- α production with IC50 of 11 nM and 7 nM, respectively.	545380-34-5	free base	http://www.selleckchem.com/products/qnz-evp4593.html
3652 / 3659 / 3666	J13	S4211	Montelukast Sodium	164	Others	Others	Montelukast selectively antagonizes leukotriene D 4 (LTD4) by binding to it so that block the action of leukotriene D4 on the cysteinyl leukotriene receptor CysLT1.	151767-02-1	sodium	http://www.selleckchem.com/products/montelukast-sodium.html
3652 / 3659 / 3666	J14	S7007	MEK162 (ARRY-162, ARRY-438162)	199	MAPK	MEK	ARRY-438162 is a potent inhibitor of MEK1/2 with IC50 of 12 nM.	606143-89-9	free base	http://www.selleckchem.com/products/mek162.html
3652 / 3659 / 3666	J15	S4222	Piperacillin Sodium	185	Others	Others	Piperacillin is a semisynthetic, broad-spectrum, ampicillin derived ureidopenicillin antibiotic proposed for pseudomonas infections.	59703-84-3	sodium	http://www.selleckchem.com/products/piperacillin-sodium.html
3652 / 3659 / 3666	J16	S7025	Embelin	10	Apoptosis	IAP	Embelin, a quinone isolated from the Japanese Ardisia herb, is an inhibitor of X-linked inhibitor of apoptosis (XIAP) with IC50 of 4.1 μ M.	550-24-3	free base	https://www.selleckchem.com/products/embelin.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3652 / 3659 / 3666	J17	S4231	Pilocarpine HCl	200	Others	Others	Pilocarpine HCl is a nonselective muscarinic acetylcholine receptor agonist used to produce an experimental model of epilepsy.	54-71-7	hydrochloride	http://www.selleckchem.com/products/pilocarpine-hcl.html
3652 / 3659 / 3666	J18	S7041	CX-6258 HCl	57	JAK/STAT	Pim	CX-6258 HCl is a potent, orally efficacious pan-Pim kinase inhibitor with IC50 of 5 nM, 25 nM and 16 nM for Pim1, Pim2, and Pim3, respectively.	1353859-00-3	Salt	www.selleckchem.com/products/CX-6258.html
3652 / 3659 / 3666	J19	S4242	Cetrimonium Bromide (CTAB)	13	Others	Others	Cetrimonium Bromide is a known component of the broad-spectrum antiseptic cetrimide, which is a mixture of different quaternary ammonium salts.	57-09-0	free base	http://www.selleckchem.com/products/cetrimonium-bromide.html
3652 / 3659 / 3666	J20	S7065	MK-8745	199	Cell Cycle	Aurora Kinase	MK-8745 is a potent and selective Aurora A inhibitor with IC50 of 0.6 nM, more than 450-fold selectivity for Aurora A over Aurora B.	885325-71-3	free base	http://www.selleckchem.com/products/mk-8745.html
3652 / 3659 / 3666	J21	S4251	Phenothiazine	200	Others	Others	Phenothiazine is a dopamine-2 (D2) receptor antagonist therefore decreases the effect of dopamine in the brain.	92-84-2	free base	http://www.selleckchem.com/products/phenothiazine.html
3652 / 3659 / 3666	J22	S7085	IWP-2	29	Stem Cells & Wnt	Wnt/beta-catenin	IWP-2 is an inhibitor of Wnt processing and secretion with IC50 of 27 nM, selective blockage of Porcn-mediated Wnt palmitoylation, does not affect Wnt/β-catenin in general and displays no effect against Wnt-stimulated cellular responses.	686770-61-6	Free Base	www.selleckchem.com/products/iwp-2.html
3652 / 3659 / 3666	K03	S3133	Sulfamethazine	201	Others	Others	Sulfamethazine is a sulfonamide antibacterial.	57-68-1	free base	http://www.selleckchem.com/products/sulfamethazine.html
3652 / 3659 / 3666	K04	S4050	Valganciclovir HCl	199	Others	Others	Valganciclovir HCl is a prodrug for ganciclovir with antiviral activity used to treat cytomegalovirus infections.	175865-59-5	hydrochloride	http://www.selleckchem.com/products/valganciclovir-hcl.html
3652 / 3659 / 3666	K05	S3149	Estradiol valerate	199	Endocrinology & Hormones	Estrogen/progesterone Receptor	Estradiol is a synthetic ester used to treat menopausal symptoms and hormone deficiencies.	979-32-8	free base	http://www.selleckchem.com/products/estradiol-valerate.html
3652 / 3659 / 3666	K06	S4063	Vitamin D3	200	Others	Others	Vitamin D3 is a form of vitamin D, binds and activates a H305F/H397Y mutant vitamin D receptor (VDR) with EC50 of 300 nM.	67-97-0	free base	http://www.selleckchem.com/products/vitamin-d3-cholecalciferol.html
3652 / 3659 / 3666	K07	S3163	Benztropine mesylate	123	Neuronal Signaling	Histamine Receptor	Benztropine is a dopamine transporter (DAT) inhibitor with IC50 of 118 nM.	132-17-2	mesylate	http://www.selleckchem.com/products/benztropine-mesylate.html
3652 / 3659 / 3666	K08	S4074	Sodium Nitrite	10	Others	Others	Sodium nitrite is a myeloperoxidase inhibitor with IC50 of 1.3 μM.	7632-00-0	sodium	http://www.selleckchem.com/products/sodium-nitrite.html
3652 / 3659 / 3666	K09	S3181	Flumequine	11	DNA Damage	Topoisomerase	Flumequine is a synthetic chemotherapeutic antibiotic, inhibiting topoisomerase II with IC50 of 15 μM.	42835-25-6	free base	http://www.selleckchem.com/products/flumequine.html
3652 / 3659 / 3666	K10	S4084	Lomerizine HCl	10	Others	Others	Lomerizine dihydrochloride is a relatively new L- and T-type calcium channel blocker used in the treatment of migraine.	101477-54-7	hydrochloride	http://www.selleckchem.com/products/lomerizine-hcl.html
3652 / 3659 / 3666	K11	S3196	Azacyclonol	198	Others	Others	Azacyclonol, also known as γ-pipradol, is a drug used to diminish hallucinations in psychotic individuals.	115-46-8	free base	http://www.selleckchem.com/products/azacyclonol.html
3652 / 3659 / 3666	K12	S4095	Difluprednate	200	Others	Others	Difluprednate (difluoroprednisolone butyrate acetate, or DFBA) is a synthetic difluorinated prednisolone derivative, it originally developed for dermatologic applications.	23674-86-4	free base	http://www.selleckchem.com/products/difluprednate.html
3652 / 3659 / 3666	K13	S3603	Betulinic acid	10	DNA Damage	Topoisomerase	Betulinic acid, a pentacyclic triterpenoid from Syzygium claviflorum, is a inhibitor of HIV-1 with EC50 of 1.4 μM; M.	472-15-1	free base	http://www.selleckchem.com/products/betulinic-acid.html
3652 / 3659 / 3666	K14	S4104	Diminazene Aceturate	36	Others	Others	Diminazene is a di-amidine also known as 4,4-(1-Triazene-1,3-diyl)bis(benzenecarboximidamide), used as an effective trypanocidal agent.	908-54-3	aceturate	http://www.selleckchem.com/products/diminazene-aceturate.html
3652 / 3659 / 3666	K15	S4010	Acebutolol HCl	201	Neuronal Signaling	Adrenergic Receptor	Acebutolol is a β-adrenergic receptors antagonist used in the treatment of hypertension, angina pectoris and cardiac arrhythmias.	34381-68-5	hydrochloride	http://www.selleckchem.com/products/acebutolol-hcl.html
3652 / 3659 / 3666	K16	S4113	Desvenlafaxine	140	Neuronal Signaling	5-HT Receptor	Desvenlafaxine is a serotonin (5-HT) and norepinephrine (NE) reuptake inhibitor with Ki of 40.2 nM and 558.4 nM, respectively.	93413-62-8	free base	http://www.selleckchem.com/products/desvenlafaxine.html
3652 / 3659 / 3666	K17	S4020	Sodium Picosulfate	199	Others	Others	Sodium Picosulfate inhibits absorption of water and electrolytes, and increases their secretion.	10040-45-6	sodium	http://www.selleckchem.com/products/sodium-picosulfate.html
3652 / 3659 / 3666	K18	S4125	Sodium Phenylbutyrate	42	DNA Damage	HDAC	Sodium Phenylbutyrate is a transcriptional regulators that act by altering chromatin structure via the modulation of HDAC activity.	1716-12-7	free base	https://www.selleckchem.com/products/sodium-phenylbutyrate.html

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3652 / 3659 / 3666	K19	S4031	Acidinium Bromide	200	Neuronal Signaling	AChR	Acidinium Bromide inhibits human muscarinic AChR M1, M2, M3, M4 and M5 with Ki of 0.1 nM, 0.14 nM, 0.14 nM, 0.21 nM and 0.16 nM, respectively.	320345-99-1	free base	http://www.selleckchem.com/products/acidinium-bromide.html
3652 / 3659 / 3666	K20	S4141	Dinitolmide	45	Others	Others	Dinitolmide is a broad-spectrum anticoccidial drug.	148-01-6	Free Base	www.selleckchem.com/products/dinitolmide-zoalene.html
3652 / 3659 / 3666	K21	S4042	Nafcillin Sodium	200	Others	Others	Nafcillin sodium reversibly inhibits β -lactamase with Kd of 33 nM.	7177-50-6	free base	http://www.selleckchem.com/products/nafcillin-sodium.html
3652 / 3659 / 3666	K22	S4155	Chlorzoxazone	200	Others	Others	Chlorzoxazone is a muscle-relaxing drug, and a probe for human liver cytochrome P-4501E1.	95-25-0	free base	http://www.selleckchem.com/products/chlorzoxazone.html
3652 / 3659 / 3666	L03	S4166	Chlorpropamide	198	Others	Others	Chlorpropamide is a sulfonylurea class drug for type 2 diabetes mellitus.	94-20-2	free base	http://www.selleckchem.com/products/chlorpropamide.html
3652 / 3659 / 3666	L04	S4263	Efaproxiral Sodium	200	Others	Others		170787-99-2	sodium	http://www.selleckchem.com/products/efaproxiral-sodium.html
3652 / 3659 / 3666	L05	S4176	Trometamol	16	Others	Others	Trometamol is a proton acceptor used to treat acidemia.	77-86-1	free base	http://www.selleckchem.com/products/trometamol.html
3652 / 3659 / 3666	L06	S4274	Rotigotine	63	Neuronal Signaling	Dopamine Receptor	Rotigotine is a dopamine receptor agonist, used in the treatment of Parkinson's disease and restless legs syndrome.	99755-59-6	Free Base	www.selleckchem.com/products/rotigotine.html
3652 / 3659 / 3666	L07	S4186	Domiphen Bromide	200	Others	Others	Domiphen bromide is a quaternary ammonium antiseptic with actions as a cationic surfactant.	538-71-6	free base	http://www.selleckchem.com/products/domiphen-bromide.html
3652 / 3659 / 3666	L08	S4285	Ospemifene	75	Endocrinology & Hormones	Estrogen/progestogen	Ospemifene is a non-hormonal selective estrogen receptor modulator (SERM), used for the treatment of dyspareunia.	128607-22-7	Free Base	www.selleckchem.com/products/ospemifene.html
3652 / 3659 / 3666	L09	S4195	Broxyquinoline	56	Others	Others	Broxyquinoline is an antiprotozoal agent and able to release oxygen free radicals from the water in mucous membranes.	521-74-4	free base	http://www.selleckchem.com/products/broxyquinoline.html
3652 / 3659 / 3666	L10	S4295	Meclofenamate Sodium	63	Neuronal Signaling	COX	Meclofenamate Sodium is a dual COX-1/COX-2 inhibitor with IC50 of 40 nM and 50 nM, respectively, used in the treatment of joint, muscular pain, arthritis and dysmenorrhea.	6385-02-0	Free Base	www.selleckchem.com/products/meclofenamate-sodium.html
3652 / 3659 / 3666	L11	S4204	Isosorbide	198	Others	Others	Isosorbide is a heterocyclic compound that is derived from glucose, used as a diuretic.	652-67-5	free base	http://www.selleckchem.com/products/isosorbide.html
3652 / 3659 / 3666	L12	S4904	JZL184	192	Others	Others	JZL 184 is the first selective inhibitor of monoacylglycerol lipase (MAGL) with IC50 of 8 nM.	1101854-58-3	free base	http://www.selleckchem.com/products/jzl184.html
3652 / 3659 / 3666	L13	S4213	Dirithromycin	13	Others	Others	Dirithromycin is a macrolide glycopeptide antibiotic by binding to the 50S subunit of the 70S bacterial ribosome to inhibit the translocation of peptides.	62013-04-1	free base	http://www.selleckchem.com/products/dirithromycin.html
3652 / 3659 / 3666	L14	S7008	PP2	198	Angiogenesis	Src	PP2 is Src family kinase inhibitor, potently inhibits Lck/Fyn with IC50 of 4 nM/5 nM, ~100-fold less potent to EGFR, inactive for ZAP-70, JAK2 and PKA.	172889-27-9	free base	https://www.selleckchem.com/products/pp2.html
3652 / 3659 / 3666	L15	S4223	Mevastatin	199	Others	Others	Mevastatin is a competitive inhibitor of HMG-Coenzyme A (HMG-CoA) reductase with a binding affinity 10,000 times greater than the HMG-CoA substrate itself.	73573-88-3	free base	http://www.selleckchem.com/products/mevastatin.html
3652 / 3659 / 3666	L16	S7028	IPI-145 (INK1197)	201	Angiogenesis	PI3K	IPI-145 (INK1197) is a novel and selective PI3K δ/γ inhibitor with Ki and IC50 of 23 pM/243 pM and 1 nM/50 nM, highly selective for PI3K δ/γ than other protein kinases. Phase 2.	1201438-56-3	free base	http://www.selleckchem.com/products/ipi-145-ink1197.html
3652 / 3659 / 3666	L17	S4232	Nithiamide	197	Others	Others	Nithiamide is a non-5-nitroimidazole drug.	140-40-9	free base	http://www.selleckchem.com/products/nithiamide.html
3652 / 3659 / 3666	L18	S7048	BMN 673	199	Epigenetics	PARP	BMN 673 is a novel PARP inhibitor with IC50 of 0.58 nM. It is also a potent inhibitor of PARP-2, but does not inhibit PARG and is highly sensitive to PTEN mutation. Phase 1.	1207456-01-6	free base	http://www.selleckchem.com/products/bmn-673.html
3652 / 3659 / 3666	L19	S4244	Serotonin HCl	202	Others	Others	Serotonin HCl is a monoamine neurotransmitter and Endogenous 5-HT receptor agonist.	153-98-0	hydrochloride	http://www.selleckchem.com/products/serotonin-hcl.html
3652 / 3659 / 3666	L20	S7070	GSK J4 HCl	185	Epigenetics	Histone demethylases	GSK J4 HCl is a cell permeable prodrug of GSK J1, which is the first selective inhibitor of the H3K27 histone demethylase JMJD3 and UTX with IC50 of 60 nM and inactive against a panel of demethylases of the JMJD family.	1373423-53-0(freebase)	hydrochloride	http://www.selleckchem.com/products/gsk-j4-hcl.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3652 / 3659 / 3666	L21	S4252	Mechlorethamine HCl	202	Others	Others	Mechlorethamine is the prototype of alkylating agents, it works by binding to DNA, crosslinking two strands and preventing cell duplication.	55-86-7	hydrochloride	http://www.selleckchem.com/products/mechlorethamine-hcl.html
3652 / 3659 / 3666	L22	S7086	IWR-1-endo	73	Stem Cells & Wnt	Wnt/beta-catenin	IWR-1 (endo-IWR 1) is a Wnt pathway inhibitor with IC50 of 180 nM, induces Axin2 protein levels and promotes β -catenin phosphorylation by stabilizing Axin-scaffolded destruction complexes.	1127442-82-3	free base	http://www.selleckchem.com/products/iwr-1-endo.html
3652 / 3659 / 3666	M03	S3137	Sodium salicylate	198	Others	Others	Sodium salicylate is used in medicine as an analgesic and antipyretic.	54-21-7	salicylate	http://www.selleckchem.com/products/sodium-salicylate.html
3652 / 3659 / 3666	M04	S4051	Nabumetone	201	Neuronal Signaling	COX	Nabumetone is a non-steroidal anti-inflammatory drug and its active metabolite inhibits the COX.	42924-53-8	free base	http://www.selleckchem.com/products/nabumetone.html
3652 / 3659 / 3666	M05	S3150	Articaine HCl	199	Others	Others	Articaine is a dental local anesthetic which contains an additional ester group that is metabolized by esterase in blood and tissue.	23964-57-0	hydrochloride	http://www.selleckchem.com/products/articaine-hydrochloride.html
3652 / 3659 / 3666	M06	S4064	Escitalopram Oxalate	200	Neuronal Signaling	5-HT Receptor	Escitalopram Oxalate is a selective serotonin (5-HT) reuptake inhibitor (SSRI) with Ki of 0.89 nM.	219861-08-2	oxalate	http://www.selleckchem.com/products/escitalopram-oxalate.html
3652 / 3659 / 3666	M07	S3167	Altrenogest	199	Endocrinology & Hormones	Estrogen/progesterone Receptor	Altrenogest is a progestogen structurally related to veterinary steroid trenbolone.	850-52-2	free base	http://www.selleckchem.com/products/altrenogest.html
3652 / 3659 / 3666	M08	S4076	Propranolol HCl	199	GPCR & G Protein	Adrenergic Receptor	Propranolol HCl is a competitive non-selective beta-adrenergic receptors inhibitor with IC50 of 12 nM.	318-98-9	hydrochloride	http://www.selleckchem.com/products/propranolol-hcl.html
3652 / 3659 / 3666	M09	S3183	Amitriptyline HCl	200	Neuronal Signaling	5-HT Receptor	Amitriptyline inhibits serotonin receptor, norepinephrine receptor, 5-HT4, 5-HT2 and sigma 1 receptor with IC50 of 3.45 nM, 13.3 nM, 7.31 nM, 235 nM and 287 nM, respectively.	549-18-8	hydrochloride	http://www.selleckchem.com/products/amitriptyline-hydrochloride.html
3652 / 3659 / 3666	M10	S4085	Levobetaxolol HCl	200	Others	Others	Levobetaxolol exhibits a higher affinity at cloned human β 1 and β 2 receptors with Ki value of 0.76 nM and 32.6 nM, respectively.	116209-55-3	hydrochloride	http://www.selleckchem.com/products/levobetaxolol-hcl.html
3652 / 3659 / 3666	M11	S3200	Triflusal	201	Neuronal Signaling	COX	Triflusal irreversibly inhibits the production of thromboxane-B2 in platelets by acetylating cyclooxygenase-1.	322-79-2	free base	http://www.selleckchem.com/products/triflusal.html
3652 / 3659 / 3666	M12	S4096	Droperidol	200	Others	Others	Droperidol is a potent antagonist of dopamine subtype 2 receptors in the limbic system.	548-73-2	free base	http://www.selleckchem.com/products/droperidol.html
3652 / 3659 / 3666	M13	S3604	Triptolide (PG490)	10	Others	Others	Triptolide is a diterpene triepoxide, immunosuppressive agent extracted from the Chinese herb Tripterygium wilfordii.	38748-32-2	free base	http://www.selleckchem.com/products/triptolide.html
3652 / 3659 / 3666	M14	S4105	Closantel Sodium	10	Others	Others	Closantel is gram positive antibacterial activity inhibitor, inhibiting the KinA/Spo0F system with IC50 of 3.8 μ M.	61438-64-0	free base	http://www.selleckchem.com/products/closantel-sodium.html
3652 / 3659 / 3666	M15	S4011	Ampiroxicam	201	Neuronal Signaling	COX	Ampiroxicam is a nonselective cyclooxygenase inhibitor used as anti-inflammatory drug.	99464-64-9	free base	http://www.selleckchem.com/products/ampiroxicam.html
3652 / 3659 / 3666	M16	S4114	Triclabendazole	200	Others	Others	Triclabendazole is a benzimidazole, it binds to tubulin impairing intracellular transport mechanisms and interferes with protein synthesis.	68786-66-3	free base	http://www.selleckchem.com/products/triclabendazole.html
3652 / 3659 / 3666	M17	S4021	Tolcapone	201	Metabolism	Transferase	Tolcapone is a selective, potent and reversible of catechol-O-methyl transferase (COMT) inhibitor with Ki of 30 nM.	134308-13-7	free base	http://www.selleckchem.com/products/tolcapone.html
3652 / 3659 / 3666	M18	S4128	Troxipide	61	Others	Others	Troxipide is a novel systemic non-antisecretory gastric cytoprotective agent with anti-ulcer, anti-inflammatory and mucus secreting properties irrespective of pH of stomach or duodenum.	30751-05-4	free base	https://www.selleckchem.com/products/troxipide.html
3652 / 3659 / 3666	M19	S4034	Diphepanil Methylsulfate	64	Neuronal Signaling	AChR	Diphepanil Methylsulfate is a quaternary ammonium anticholinergic, it binds muscarinic acetylcholine receptors (mAChR).	62-97-5	methylsulfate	http://www.selleckchem.com/products/diphepanil-methylsulfate.html
3652 / 3659 / 3666	M20	S4143	Pentoxifyverine Citrate	100	Others	Others	Pentoxifyverine Citrate is an antitussive (cough suppressant) commonly used for cough associated with illnesses like common cold.	23142-01-0	Free Base	www.selleckchem.com/products/pentoxifyverine-carbetapentane-citrate.html
3652 / 3659 / 3666	M21	S4043	Tetrahydrozoline HCl	50	Neuronal Signaling	Adrenergic Receptor	Tetrahydrozoline HCl is an imidazoline derivative with alpha receptor agonist activity.	522-48-5	free base	http://www.selleckchem.com/products/tetrahydrozoline-hcl.html
3652 / 3659 / 3666	M22	S4159	Bezafibrate	198	Others	Others	Bezafibrate is the first clinically tested dual and pan-PPAR co-agonism.	41859-67-0	free base	http://www.selleckchem.com/products/bezafibrate.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3652 / 3659 / 3666	N03	S4167	Cyromazine	198	Others	Others	Cyromazine is a triazine insect growth regulator used as an insecticide and an acaricide.	66215-27-8	free base	http://www.selleckchem.com/products/cyromazine.html
3652 / 3659 / 3666	N04	S4264	Etofibrate	200	Others	Others		31637-97-5	free base	http://www.selleckchem.com/products/etofibrate.html
3652 / 3659 / 3666	N05	S4177	Uracil	196	Others	Others	Uracil is one of the four nucleobases in the nucleic acid of RNA can be used for drug delivery and as a pharmaceutical.	66-22-8	free base	http://www.selleckchem.com/products/uracil.html
3652 / 3659 / 3666	N06	S4276	Etizolam	26	Others	Others	Etizolam is a specific platelet-activating factor (PAF) antagonist with anti-anxiety activity.	40054-69-1	Free Base	www.selleckchem.com/products/etizolam.html
3652 / 3659 / 3666	N07	S4187	Salicylanilide	201	Others	Others	Salicylanilides are a group of compounds with a wide range of biological activities including antiviral potency, antibacterial (including antimycobacterial) and antifungal activities.	87-17-2	free base	http://www.selleckchem.com/products/salicylanilide.html
3652 / 3659 / 3666	N08	S4286	Anidulafungin (LY303366)	100	Others	Others	Anidulafungin (LY303366), an echinocandin derivative, inhibits glucan synthase activity, used as an antifungal drug.	166663-25-8	Free Base	www.selleckchem.com/products/anidulafungin-ly303366.html
3652 / 3659 / 3666	N09	S4196	Ethacridine lactate monohydrate	199	Others	Others	Ethacridine lactate monohydrate is an aromatic organic compound based on acridine used as an antiseptic agent.	6402-23-9	lactate	http://www.selleckchem.com/products/ethacridine-lactate-monohydrate.html
3652 / 3659 / 3666	N10	S4297	Mupirocin	100	DNA Damage	DNA/RNA Synthesis	Mupirocin is an isoleucyl t-RNA synthetase inhibitor, used of the treatment of bacterial skin infections.	12650-69-0	Free Base	www.selleckchem.com/products/mupirocin.html
3652 / 3659 / 3666	N11	S4205	Dibenzothiophene	200	Others	Others	Dibenzothiophene (DBT) is a model compound for organic sulfur in fossil fuels.	132-65-0	free base	http://www.selleckchem.com/products/dibenzothiophene.html
3652 / 3659 / 3666	N12	S4907	SC-514	200	NF-κB	κB/IKK	SC-514 is an orally active, ATP-competitive IKK-2 inhibitor with IC50 of 3-12 μM, blocks NF-κB-dependent gene expression, does not inhibit other IKK isoforms or other serine-threonine and tyrosine kinases.	354812-17-2	free base	http://www.selleckchem.com/products/sc-514.html
3652 / 3659 / 3666	N13	S4214	Sucralose	201	Others	Others	Sucralose is an artificial and noncaloric sweetener, not broken down by the body.	56038-13-2	free base	http://www.selleckchem.com/products/sucralose.html
3652 / 3659 / 3666	N14	S7010	GDC-0152	198	Apoptosis	IAP	GDC-0152 is a potent antagonist of XIAP-BIR3, ML-IAP-BIR3, cIAP1-BIR3 and cIAP2-BIR3 with Ki of 28 nM, 14 nM, 17 nM and 43 nM, respectively; less affinity shown to cIAP1-BIR2 and cIAP2-BIR2. Phase 1.	873652-48-3	free base	http://www.selleckchem.com/products/gdc-0152.html
3652 / 3659 / 3666	N15	S4224	Erythritol	196	Others	Others	Erythritol is a sugar alcohol used as low-calorie sweetener.	149-32-6	free base	http://www.selleckchem.com/products/erythritol.html
3652 / 3659 / 3666	N16	S7029	AZD2461	199	DNA Damage	PARP	AZD2461 is a novel PARP inhibitor with low affinity for Pgp than Olaparib. Phase 1.	1174043-16-3	free base	https://www.selleckchem.com/products/azd2461.html
3652 / 3659 / 3666	N17	S4233	Zoxazolamine	201	Others	Others	Zoxazolamine is a centrally acting myorelaxant, which is formerly used as an antispasmodic and uricosuric.	61-80-3	free base	http://www.selleckchem.com/products/zoxazolamine.html
3652 / 3659 / 3666	N18	S7049	Oprozomib (ONX 0912)	200	Proteases	Proteasome	Oprozomib (ONX 0912) is an orally bioavailable inhibitor for CT-L activity of 20S proteasome β5/LMP7 with IC50 of 36 nM/82 nM.	935888-69-0	free base	http://www.selleckchem.com/products/oprozomib-onx-0912.html
3652 / 3659 / 3666	N19	S4245	Sodium ascorbate	10	Others	Others	Sodium Ascorbate is a more bioavailable form of vitamin C that is an alternative to taking ascorbic acid as a supplement.	134-03-2	sodium	http://www.selleckchem.com/products/sodium-ascorbate.html
3652 / 3659 / 3666	N20	S7071	(+)-Bicuculline	201	Neuronal Signaling	GABA Receptor	(+)-Bicuculline is a competitive antagonist of GABAA receptors with IC50 of 2 μM, also blocks Ca(2+)-activated potassium channels.	485-49-4	free base	http://www.selleckchem.com/products/bicuculline.html
3652 / 3659 / 3666	N21	S4253	Epinastine HCl	199	Others	Others	Epinastine is an antihistamine and mast cell stabilizer that is used in eye drops to treat allergic conjunctivitis.	108929-04-0	hydrochloride	http://www.selleckchem.com/products/epinastine-hcl.html
3652 / 3659 / 3666	N22	S7087	GSK2334470	90	PI3K/Akt/mTOR	PDK-1	GSK2334470 is a novel PDK1 inhibitor with IC50 of ~10 nM, with no activity at other close related AGC-kinases.	1227911-45-6	Free Base	www.selleckchem.com/products/gsk2334470.html
3652 / 3659 / 3666	O03	S3138	Methylthiouracil	196	Others	Others	Methylthiouracil is an antithyroid preparation.	56-04-2	free base	http://www.selleckchem.com/products/methylthiouracil.html
3652 / 3659 / 3666	O04	S4053	Sertraline HCl	201	Neuronal Signaling	5-HT Receptor	Sertraline HCl is a 5-HT antagonist with Ki of 13 nM.	79559-97-0	hydrochloride	http://www.selleckchem.com/products/sertraline-hcl.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3652 / 3659 / 3666	O05	S3151	Gliquidone	199	Transmembrane Transporters	Potassium Channel	Gliquidone is an ATP-sensitive K ⁺ channel antagonist with IC50 of 27.2 nM.	33342-05-1	free base	http://www.selleckchem.com/products/gliquidone.html
3652 / 3659 / 3666	O06	S4065	Guanabenz Acetate	199	Neuronal Signaling	Adrenergic Receptor	Guanabenz Acetate is an selective agonist of α 2a-adrenergic receptor, α 2b-adrenergic receptor and α 2c-adrenergic receptor with pEC50 of 8.25, 7.01 and ~5, respectively.	23256-50-0	acetate	http://www.selleckchem.com/products/guanabenz-wy-8678-acetate.html
3652 / 3659 / 3666	O07	S3170	Ampicillin sodium	99	Others	Others	Ampicillin is a beta-lactam antibiotic that is part of the aminopenicillin family.	69-52-3	sodium	http://www.selleckchem.com/products/ampicillin-sodium.html
3652 / 3659 / 3666	O08	S4077	Mequinol	201	Others	Others	Mequinol (4-Methoxyphenol) is a depigmentation agent.	150-76-5	free base	http://www.selleckchem.com/products/mequinol.html
3652 / 3659 / 3666	O09	S3185	Adrenalone HCl	202	Neuronal Signaling	Adrenergic Receptor	Adrenalone is an adrenergic agonist used as a topical vasoconstrictor and hemostatic, mainly acts on alpha-1 adrenergic receptors.	62-13-5	hydrochloride	http://www.selleckchem.com/products/adrenalone-hcl.html
3652 / 3659 / 3666	O10	S4086	Loxapine Succinate	199	Others	Others	Loxapine Succinate is a D2DR and D4DR inhibitor, serotonergic receptor antagonist and also a dibenzoxazepine anti-psychotic agent.	27833-64-3	succinate	http://www.selleckchem.com/products/loxapine-succinate.html
3652 / 3659 / 3666	O11	S3201	Trifluoperazine 2HCl	183	Ubiquitin	Autophagy	Trifluoperazine is a dopamine D2 receptor inhibitor with IC50 of 1.1 nM.	440-17-5	2HCl	http://www.selleckchem.com/products/trifluoperazine-dihydrochloride.html
3652 / 3659 / 3666	O12	S4097	Dydrogesterone	201	Others	Others	Dydrogesterone is an orally active progestogen which acts directly on the uterus, producing a complete secretory endometrium in an estrogen-primed uterus.	152-62-5	free base	http://www.selleckchem.com/products/dydrogesterone.html
3652 / 3659 / 3666	O13	S4000	Pergolide mesylate	24	Neuronal Signaling	Dopamine Receptor	Pergolide mesylate is an antiparkinsonian agent which functions as a dopaminergic agonist.	66104-23-2	mesylate	http://www.selleckchem.com/products/Pergolide-mesylate.html
3652 / 3659 / 3666	O14	S4106	Closantel	150	Others	Others	Closantel is gram positive antibacterial activity inhibitor, inhibiting the KinA/Spo0F system with IC50 of 3.8 μ M.	57808-65-8	free base	http://www.selleckchem.com/products/closantel.html
3652 / 3659 / 3666	O15	S4012	Desloratadine	83	Neuronal Signaling	Histamine Receptor	Desloratadine is a potent antagonist for human histamine H1 receptor with IC50 of 51 nM.	100643-71-8	free base	http://www.selleckchem.com/products/desloratadine.html
3652 / 3659 / 3666	O16	S4116	Isovaleramide	197	Others	Others	Isovaleramide is an anticonvulsant molecule isolated from Valeriana pavonii, it inhibits the liver alcohol dehydrogenases.	541-46-8	free base	http://www.selleckchem.com/products/isovaleramide.html
3652 / 3659 / 3666	O17	S4022	Probenecid	199	Others	Others	Probenecid is a classical competitive inhibitor of organic anion transport, which is also a TRPV2 agonist and an inhibitor of TAS2R16.	57-66-9	free base	http://www.selleckchem.com/products/probenecid-benemid.html
3652 / 3659 / 3666	O18	S4131	Levodropropizine	198	Neuronal Signaling	Histamine Receptor	Levodropropizine possess anti-allergic and inhibits histamine receptor, reduces cough by interfering with stimulus activation of peripheral endings of sensory nerves and by modulation of neuropeptides involved in the cough reflex.	99291-25-5	free base	https://www.selleckchem.com/products/levodropropizine.html
3652 / 3659 / 3666	O19	S4035	Vitamin D2	50	Others	Others	Vitamin D2 is a selective inhibitors of mammalian DNA polymerase A (pol A) with IC50 of 123 mM.	50-14-6	free base	http://www.selleckchem.com/products/vitamin-d2-ergocalciferol.html
3652 / 3659 / 3666	O20	S4144	Amprolium HCl	10	Others	Others	Amprolium chloride is a thiamin antagonist, which prevents carbohydrate synthesis by blocking thiamine uptake.	137-88-2	hydrochloride	http://www.selleckchem.com/products/amprolium-hcl.html
3652 / 3659 / 3666	O21	S4044	Toltrazuril	199	Others	Others	Toltrazuril is an antiprotozoal agent that acts upon Coccidia parasites.	69004-03-1	free base	http://www.selleckchem.com/products/toltrazuril.html
3652 / 3659 / 3666	O22	S4160	Penicillin G Sodium	199	Others	Others	Penicillin G Sodium is a β -lactam antibiotic produced by <i>Penicillium spp</i>	69-57-8	sodium	http://www.selleckchem.com/products/benzylpenicillin-sodium.html
3652 / 3659 / 3666	P03	S4169	Teriflunomide	118	Others	Others	Teriflunomide is the active metabolite of leflunomide, inhibiting pyrimidine de novo synthesis by blocking the enzyme dihydroorotate dehydrogenase, used as an immunomodulatory agent.	108605-62-5	free base	http://www.selleckchem.com/products/teriflunomide.html
3652 / 3659 / 3666	P04	S4265	Nicaraven	200	Others	Others		79455-30-4	free base	http://www.selleckchem.com/products/nicaraven.html
3652 / 3659 / 3666	P05	S4178	Climbazole	201	Others	Others	Climbazole is a broad-spectrum imidazole antifungal agent that can provide anti-dandruff benefits.	38083-17-9	free base	http://www.selleckchem.com/products/climbazole.html
3652 / 3659 / 3666	P06	S4277	Bambuterol HCl	80	GPCR & G Protein	Adrenergic Receptor	Bambuterol HCl is a potent β -adrenoceptor agonist, used in the treatment of asthma.	81732-46-9	Salt	www.selleckchem.com/products/bambuterol-hcl.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3652 / 3659 / 3666	P07	S4188	Sasapyrine	201	Others	Others	Sasapyrine (salsalate) is a nonsteroidal oral anti-inflammatory agent.	552-94-3	free base	http://www.selleckchem.com/products/sasapyrine.html
3652 / 3659 / 3666	P08	S4288	Chloroambucil	60	DNA Damage	DNA/RNA Synthesis	Chlorambucil is a nitrogen mustard alkylating agent, used in the treatment of chronic lymphocytic leukemia.	305-03-3	Free Base	www.selleckchem.com/products/chloroambucil.html
3652 / 3659 / 3666	P09	S4197	Bemegride	199	Others	Others	Bemegride is a central nervous system stimulant and antidote for barbiturate poisoning.	64-65-3	free base	http://www.selleckchem.com/products/bemegride.html
3652 / 3659 / 3666	P10	S4299	Dicoumarol	67	Others	Others	Dicoumarol is a competitive NADH quinone oxidoreductase (NQO1) inhibitor, and used as an anticoagulant by interfering with the metabolism of vitamin K.	66-76-2	Free Base	www.selleckchem.com/products/dicoumarol.html
3652 / 3659 / 3666	P11	S4206	Cysteamine HCl	202	Others	Others	Cysteamine is an agent for the treatment of nephropathic cystinosis and an antioxidant.	156-57-0	hydrochloride	http://www.selleckchem.com/products/cysteamine-hcl.html
3652 / 3659 / 3666	P12	S4908	SN-38	53	DNA Damage	Topoisomerase	SN-38 is an active metabolite of CPT-11, inhibits DNA topoisomerase I, DNA synthesis and causes frequent DNA single-strand breaks.	86639-52-3	free base	http://www.selleckchem.com/products/sn-38.html
3652 / 3659 / 3666	P13	S4216	Valnemulin HCl	166	Others	Others	Valnemulin HCl is a broad-spectrum bacteriostatic agent inhibiting protein synthesis in bacteria by binding to the peptidyl transferase component of the 50S subunit of ribosomes.	133868-46-9	hydrochloride	http://www.selleckchem.com/products/valnemulin-hcl.html
3652 / 3659 / 3666	P14	S7015	Birinapant	123	Apoptosis	IAP	Birinapant is a SMAC mimetic antagonist, mostly to cIAP1 with Kd of <1 nM, less potent to XIAP. Phase 1/2.	1260251-31-7	free base	http://www.selleckchem.com/products/birinapant.html
3652 / 3659 / 3666	P15	S4225	Mexiletine HCl	199	Others	Others	Mexiletine HCl belongs to Class IB anti-arrhythmic group of medicines, inhibits sodium channels to reduce the inward sodium current.	1/4/5370	hydrochloride	http://www.selleckchem.com/products/mexiletine-hcl.html
3652 / 3659 / 3666	P16	S7033	GSK2656157	76	Apoptosis	PERK	GSK2656157 is an ATP-competitive and highly selective inhibitor of PERK with IC50 of 0.9 nM, 500-fold greater against a panel of 300 kinases.	1337532-29-2	free base	http://www.selleckchem.com/products/gsk2656157.html
3652 / 3659 / 3666	P17	S4235	Phenazopyridine HCl	200	Others	Others	Phenazopyridine HCl a local analgesic that has been used in urinary tract disorders.	136-40-3	hydrochloride	http://www.selleckchem.com/products/paromomycin-sulfate.html
3652 / 3659 / 3666	P18	S7050	AZ20	201	PI3K/Akt/mTOR	ATM/ATR	AZ20 is a novel potent and selective inhibitor of ATR kinase with IC50 of 5 nM, 8-fold selectivity over mTOR.	1233339-22-4	free base	http://www.selleckchem.com/products/az20.html
3652 / 3659 / 3666	P19	S4246	Tranlycypromine (2-PCPA) HCl	200	Epigenetics	Histone demethylases	Tranlycypromine is a monoamine oxidase inhibitor, which inhibits CYP2A6 with Ki of 0.08 µM and 0.2 µM in cDNA-expressing microsomes and Human Liver Microsomes, respectively.	4548-34-9	hydrochloride	http://www.selleckchem.com/products/tranlycypromine-2-pcpa-hcl.html
3652 / 3659 / 3666	P20	S7072	NMDA (N-Methyl-D-aspartic acid)	33	Neuronal Signaling	GluR	NMDA (N-Methyl-D-aspartic acid) is a specific agonist for NMDA receptor mimicking the action of glutamate, the neurotransmitter which normally acts at that receptor. Phase 4.	6384-92-5	free base	http://www.selleckchem.com/products/nmda-n-methyl-d-aspartic-acid.html
3652 / 3659 / 3666	P21	S4255	Quinacrine 2HCl	29	Others	Others		69-05-6	hydrochloride	http://www.selleckchem.com/products/quinacrine-2hcl.html
3652 / 3659 / 3666	P22	S7088	UNC1215	188	Epigenetics	Epigenetic Reader Domain	UNC1215 is a potent and selective MBT (malignant brain tumor) antagonist, which binds L3MBTL3 with IC50 of 40 nM and Kd of 120 nM, 50-fold selective versus other members of the human MBT family.	1415800-43-9	free base	http://www.selleckchem.com/products/nuc1215.html
3653 / 3660 / 3667	A03	S7090	GSK923295	100	Cytoskeletal Signaling	Kinesin	GSK923295 is a first-in-class, specific allosteric inhibitor of CENP-E kinesin motor ATPase with Ki of 3.2 nM, and less potent to mutant I182 and T183. Phase 1.	1088965-37-0	Free Base	www.selleckchem.com/products/gsk923295.html
3653 / 3660 / 3667	A04	S7251	KPT-276	46	Transmembrane Transporters	CRM1	KPT-276 is an orally bioavailable selective CRM1 inhibitor.	1421919-75-6	free base	http://www.selleckchem.com/products/kpt-276.html
3653 / 3660 / 3667	A05	S7099	(-)-Blebbistatin	198	Transmembrane Transporters	ATPase	(-)-Blebbistatin is a cell-permeable inhibitor for non muscle myosin II ATPase with IC50 of 2 µM, does not inhibit myosin light chain kinase, inhibits contraction of the cleavage furrow without disrupting mitosis or contractile ring assembly.	856925-71-8	free base	https://www.selleckchem.com/products/blebbistatin.html
3653 / 3660 / 3667	A06	S7263	AZD1981	28	Endocrinology & Hormones	GPR	AZD1981 is a potent, selective CRTh2 (DP2) receptor antagonist with IC50 of 4 nM, showing >1000-fold selectivity over more than 340 other enzymes and receptors, including DP1.	802904-66-1	free base	http://www.selleckchem.com/products/azd1981.html
3653 / 3660 / 3667	A07	S7114	NU6027	198	Cell Cycle	CDK	NU6027 is a potent ATR/CDK inhibitor, inhibits CDK1/2, ATR and DNA-PK with Ki of 2.5 µM/1.3 µM, 0.4 µM and 2.2 µM, enter cells more readily than the 6-aminopurine-based inhibitors.	220036-08-8	free base	http://www.selleckchem.com/products/nu6027.html
3653 / 3660 / 3667	A08	S7279	Suvorexant (MK-4305)	22	GPCR & G Protein	OX Receptor	Suvorexant (MK-4305) is a potent dual OX receptor antagonist with Ki of 0.55 nM and 0.35 nM for OX1 receptor and OX2 receptor, respectively. Phase 3.	1030377-33-3	free base	http://www.selleckchem.com/products/suvorexant-mk.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3653 / 3660 / 3667	A09	S7129	PYR-41	199	Ubiquitin	E1 Activating	PYR-41 is the first cell-permeable inhibitor of ubiquitin-activating enzyme E1, with no activity at E2.	418805-02-4	free base	http://www.selleckchem.com/products/pyr-41.html
3653 / 3660 / 3667	A10	S7293	ZCL278	170	Cell Cycle	Rac	ZCL278 is a selective Cdc42 GTPase inhibitor with Kd of 11.4 μ M.	587841-73-4	free base	http://www.selleckchem.com/products/zcl278.html
3653 / 3660 / 3667	A11	S7139	CFTRinh-172	200	Transmembrane Transporters	CFTR	CFTRinh-172 is a voltage-independent, selective CFTR inhibitor with Ki of 300 nM, showing no effects on MDR1, ATP-sensitive K ⁺ channels, or a series of other transporters.	307510-92-5	free base	http://www.selleckchem.com/products/cftrinh-172.html
3653 / 3660 / 3667	A12	S7310	SF1670	29	Others	Others	SF1670 is a highly potent and specific PTEN inhibitor with IC50 of 2 μ M.	345630-40-2	Free Base	www.selleckchem.com/products/sf1670.html
3653 / 3660 / 3667	A13	S7149	NSC 319726	81	Apoptosis	p53	NSC319726 is a p53(R175) mutant reactivator, exhibits growth inhibition in cells expressing mutant p53, with IC50 of 8 nM for p53(R175) mutant, shows no inhibition for p53 wild-type cells.	71555-25-4	free base	http://www.selleckchem.com/products/nsc319726.html
3653 / 3660 / 3667	A14	S7327	ID-8	201	Others	Others	ID-8 is a DYRK inhibitor, and sustains embryonic stem cell self-renewal in long-term culture.	147591-46-6	free base	http://www.selleckchem.com/products/id-8.html
3653 / 3660 / 3667	A15	S7167	SSR128129E	199	Angiogenesis	FGFR	SSR128129E is an orally-active and allosteric FGFR1 inhibitor with IC50 of 1.9 μ M, while not affecting other related RTKs.	848318-25-2	free base	http://www.selleckchem.com/products/ssr128129e.html
3653 / 3660 / 3667	A16	S7340	CH5138303	83	Cytoskeletal Signaling	HSP (e.g. HSP90)	CH5138303 is an orally available Hsp90 inhibitor with Kd of 0.48 nM.	959763-06-5	Free Base	www.selleckchem.com/products/ch5138303.html
3653 / 3660 / 3667	A17	S7193	1-Azakenpaulone	201	PI3K/Akt/mTOR	GSK-3	1-Azakenpaulone is a potent and selective GSK-3 β inhibitor with IC50 of 18 nM, >100-fold selectivity over CDK1/cyclin B and CDK5/p25.	676596-65-9	free base	http://www.selleckchem.com/products/1-azakenpaulone.html
3653 / 3660 / 3667	A18	S7364	Atglistatin	201	Others	ATGL	Atglistatin is a highly potent, and selective inhibitor of adipose triglyceride lipase (ATGL) with IC50 of 0.7 μ M, high selectivity over other key metabolic lipases.	1469924-27-3	free base	http://www.selleckchem.com/products/atglistatin.html
3653 / 3660 / 3667	A19	S7209	GSK650394	76	Others	Others	GSK650394 is a serum- and glucocorticoid-regulated kinase-1 inhibitor with IC50 of 62 nM and 103 nM for SGK1 and SGK2, respectively	890842-28-1	Free Base	www.selleckchem.com/products/gsk650394.html
3653 / 3660 / 3667	A20	S7378	AESBF HCl	47	Proteases	Serine Protease	AESBF HCl is a broad spectrum, irreversible serine protease inhibitor.	30827-99-7	Salt	www.selleckchem.com/products/aesbf-hcl.html
3653 / 3660 / 3667	A21	S7229	RGFP966	198	Epigenetics	HDAC	RGFP966 is an HDAC3 inhibitor with IC50 of 0.08 μ M, exhibits > 200-fold selectivity over other HDAC.	1396841-57-8	free base	http://www.selleckchem.com/products/rgfp966.html
3653 / 3660 / 3667	A22	S7399	FLI-06	200	Stem Cells & Wnt	Notch	FLI-06 is a novel inhibitor of Notch signaling with EC50 of 2.3 μ M.	313967-18-9	free base	http://www.selleckchem.com/products/fli-06.html
3653 / 3660 / 3667	B03	S7430	SB-3CT	61	Proteases	MMP	SB-3CT is an effective and selective gelatinase inhibitor with Ki of 13.9 nM and 600 nM for MMP-2 and MMP-9, respectively.	292605-14-2	Free Base	www.selleckchem.com/products/sb-3ct.html
3653 / 3660 / 3667	B04	S8032	PRT062607 (P505-15, BIIB057) HCl	200	Angiogenesis	Syk	PRT062607 (P505-15) HCl is a novel, highly selective Syk inhibitor with IC50 of 1 nM, >80-fold selective for Syk than Fgr, Lyn, FAK, Pyk2 and Zap70.	1370261-97-4	hydrochloride	https://www.selleckchem.com/products/pri062607-p505-15-hcl.html
3653 / 3660 / 3667	B05	S7448	CORM-3	38	Others	Others	CORM-3 is a water-soluble carbon monoxide-releasing molecule with anti-inflammatory and cardioprotective activity.	475473-26-8	Free Base	www.selleckchem.com/products/corm-3.html
3653 / 3660 / 3667	B06	S8042	GW2580	131	Protein Tyrosine Kinase	CSF-1R	GW2580 is a selective CSF-1R inhibitor for c-FMS with IC50 of 30 nM, 150- to 500-fold selective compared to b-Raf, CDK4, c-KIT, c-SRC, EGFR, ERBB2/4, ERK2, FLT-3, GSK3, ITK, JAK2 etc.	870483-87-7	free base	http://www.selleckchem.com/products/gw2580.html
3653 / 3660 / 3667	B07	S7461	LDC000067	74	Cell Cycle	CDK	LDC000067 is a highly selective CDK9 inhibitor with IC50 of 44 nM, 55/125/210/ >227/ >227-fold selectivity over CDK2/1/4/6/7.	1073485-20-7	Free Base	www.selleckchem.com/products/lcd000067.html
3653 / 3660 / 3667	B08	S8057	Pacritinib (SB1518)	23	JAK/STAT	JAK	Pacritinib (SB1518) is a potent and selective inhibitor of Janus Kinase 2 (JAK2) and Fms-Like Tyrosine Kinase-3 (FLT3) with IC50s of 23 and 22 nM, respectively.	937272-79-2	free base	http://www.selleckchem.com/products/pacritinib-sb1518.html
3653 / 3660 / 3667	B09	S7489	YH239-EE	100	Apoptosis	Mdm2	YH239-EE, the ethyl ester of YH239, is a potent p53-MDM2 antagonist and an apoptosis inducer.	1364488-67-4	Free Base	www.selleckchem.com/products/yh239-ee.html
3653 / 3660 / 3667	B10	S8077	RI-1	138	Others	Others	RI-1 is a RAD51 inhibitor with IC50 ranging from 5 to 30 μ M.	415713-60-9	free base	http://www.selleckchem.com/products/ri-1.html
3653 / 3660 / 3667	B11	S7505	(S)-crizotinib	99	Others	MTH	(S)-crizotinib, the (S)-enantiomer of crizotinib, is a potent MTH1 (NUDT1) inhibitor with IC50 of 72 nM.	1374356-45-2	free base	http://www.selleckchem.com/products/s-crizotinib.html
3653 / 3660 / 3667	B13	S7520	Darapladib (SB-480848)	100	Metabolism	Phospholipase (e.g.	Darapladib (SB-480848) is a reversible lipoprotein-associated phospholipase A2 (Lp-PLA2) inhibitor with IC50 of 0.25 nM. Phase 3.	356057-34-6	Free Base	www.selleckchem.com/products/darapladib-sb-480848.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3653 / 3660 / 3667	B15	S7546	Pritelivir (BAY 57-1293)	80	Others	Others	Pritelivir (BAY 57-1293) is a potent helicase primase inhibitor, exhibiting antiviral effect on herpes simplex virus (HSV) with IC50 of 20 nM for both HSV-1 and HSV-2.	348086-71-5	Free Base	www.selleckchem.com/products/bay-57-1293.html
3653 / 3660 / 3667	B17	S7635	Lomitapide	100	Others	Others	Lomitapide is a potent microsomal triglyceride transfer protein (MTP) inhibitor, used in the treatment of familial hypercholesterolemia.	182431-12-5	Free Base	www.selleckchem.com/products/lomitapide.html
3653 / 3660 / 3667	B19	S8007	VE-821	200	DNA Damage	ATM/ATR	VE-821 is a potent and selective ATP competitive inhibitor of ATR with Ki/IC50 of 13 nM/26 nM, shows inhibition of H2AX phosphorylation, minimal activity against PI3Ks ATM, DNA-PK, mTOR and PI3Ky.	1232410-49-9	free base	http://www.selleckchem.com/products/ve-821.html
3653 / 3660 / 3667	B21	S8021	Vortioxetine (Lu AA21004) HBr	200	Neuronal Signaling	5-HT Receptor	Vortioxetine (Lu AA21004) is a multimodal serotonergic agent, inhibits 5-HT1A, 5-HT1B, 5-HT3A, 5-HT7 receptor and SERT with IC50 of 15 nM, 33 nM, 3.7 nM, 19 nM and 1.6 nM, respectively. Phase 3.	960203-27-4	hydrobromide	http://www.selleckchem.com/products/vortioxetine-lu-aa21004-hydrobromide.html
3653 / 3660 / 3667	C03	S7091	Zotarolimus(ABT-578)	100	PI3K/Akt/mTOR	mTOR	Zotarolimus (ABT-578) is an analogue of rapamycin, and inhibits FKBP-12 binding with IC50 of 2.8 nM.	221877-54-9	Free Base	www.selleckchem.com/products/zotarolimus-abt-578.html
3653 / 3660 / 3667	C04	S7252	KPT-330	200	Transmembrane Transporters	CRM1	KPT-330 is an orally bioavailable selective CRM1 inhibitor.	1393477-72-9	free base	http://www.selleckchem.com/products/kpt-330.html
3653 / 3660 / 3667	C05	S7102	VE-822	77	PI3K/Akt/mTOR	ATM/ATR	VE-822 is an ATR inhibitor with IC50 of 19 nM.	1232416-25-9	free base	http://www.selleckchem.com/products/ve-822.html
3653 / 3660 / 3667	C06	S7265	MM-102	149	Epigenetics	Histone Methyltransferase	MM-102 is a high-affinity peptidomimetic MLL1 inhibitor with IC50 of 0.4 µM.	1417329-24-8	free base	http://www.selleckchem.com/products/mm-102.html
3653 / 3660 / 3667	C07	S7115	AMG-517	199	Others	TRPV	AMG 517 is a potent and selective TRPV1 antagonist, antagonizes capsaicin, proton, and heat activation of TRPV1 with IC50 of 0.76 nM, 0.62 nM and 1.3 nM.	659730-32-2	free base	https://www.selleckchem.com/products/amg-517.html
3653 / 3660 / 3667	C08	S7280	Edoxaban	182	Metabolism	Factor Xa	Edoxaban is a selective factor Xa inhibitor with Ki of 0.561 nM, >10 000-fold selectivity over thrombin and FIXa, and is also an orally bioavailable anticoagulant drug.	480449-70-5	free base	http://www.selleckchem.com/products/edoxaban.html
3653 / 3660 / 3667	C09	S7130	PR-619	201	Ubiquitin	DUB	PR-619 is a non-selective, reversible inhibitor of the deubiquitinating enzymes (DUBs) with EC50 of 1-20 µM.	2645-32-1	free base	http://www.selleckchem.com/products/pr-619.html
3653 / 3660 / 3667	C10	S7295	RVX-208	199	Epigenetics	Epigenetic Reader Domain	RVX-208 is a potent BET bromodomain inhibitor with IC50 of 0.510 µM for BD2, about 170-fold selectivity over BD1. Phase 2.	1044870-39-4	free base	http://www.selleckchem.com/products/rvx-208.html
3653 / 3660 / 3667	C11	S7140	TCID	81	Ubiquitin	DUB	TCID is a DUB inhibitor for ubiquitin C-terminal hydrolase L3 with IC50 of 0.6 µM, 125-fold selective to L1.	30675-13-9	free base	http://www.selleckchem.com/products/tcid.html
3653 / 3660 / 3667	C12	S7316	STF-118804	132	Others	Others	STF-118804 is a highly specific NAMPT inhibitor.	894187-61-2	free base	http://www.selleckchem.com/products/stf-118804.html
3653 / 3660 / 3667	C13	S7152	C646	29	Epigenetics	Histone Acetyltransferase	C646 is an inhibitor for histone acetyltransferase, and inhibits p300 with a Ki of 400 nM. Preferentially selective for p300 versus other acetyltransferases.	328968-36-1	free base	http://www.selleckchem.com/products/c646.html
3653 / 3660 / 3667	C14	S7329	IOWH032	183	Transmembrane Transporters	CFTR	IOWH032 is a synthetic CFTR inhibitor with IC50 of 1.01 µM in CHO-CFTR cell based assays. Phase 1/2.	1191252-49-9	free base	http://www.selleckchem.com/products/iowh032.html
3653 / 3660 / 3667	C15	S7172	ONX-0914 (PR-957)	172	Proteases	Proteasome	ONX-0914 (PR-957) is a potent and selective immunoproteasome inhibitor with minimal cross-reactivity for the constitutive proteasome.	960374-59-8	free base	http://www.selleckchem.com/products/onx-0914-pr-957.html
3653 / 3660 / 3667	C16	S7351	JSH-23	199	NF-κB	NF-κB	JSH-23 is an inhibitor of NF-κB transcriptional activity with IC50 of 7.1 µM.	749886-87-1	free base	http://www.selleckchem.com/products/jsh-23.html
3653 / 3660 / 3667	C17	S7194	GZD824	137	Angiogenesis	Bcr-Abl	GZD824 is a novel orally bioavailable Bcr-Abl inhibitor for Bcr-Abl(WT) and Bcr-Abl(T315I) with IC50 of 0.34 nM and 0.68 nM, respectively.	1421783-64-3	mesylate	http://www.selleckchem.com/products/gzd824.html
3653 / 3660 / 3667	C18	S7365	AdipoRon	233	Others	Others	AdipoRon is a novel, and orally bioavailable adiponectin receptor agonist with KD of 1.8 and 3.1 µM for AdipoR1 and AdipoR2, respectively.	924416-43-3	free base	http://www.selleckchem.com/products/AdipoRon.html
3653 / 3660 / 3667	C19	S7213	Thiamet G	201	Others	Others	Thiamet G is a potent, selective O-GlcNAcase inhibitor with Kiof 21 nM, while exhibiting 37,000-fold selectivity over human lysosomal hexosaminidase.	1009816-48-1	free base	http://www.selleckchem.com/products/thiamet-g.html
3653 / 3660 / 3667	C20	S7379	E-64	198	Proteases	Cathepsin K	E-64 is an irreversible and selective cysteine protease inhibitor with IC50 of 9 nM for papain.	66701-25-5	free base	http://www.selleckchem.com/products/e-64.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3653 / 3660 / 3667	C21	S7233	Bromosporine	10	Epigenetics	Epigenetic Reader Domain	Bromosporine is a broad spectrum inhibitor for bromodomains with IC50 of 0.41 μ M, 0.29 μ M, 0.122 μ M and 0.017 μ M for BRD2, BRD4, BRD9 and CECR2, respectively.	N/A	free base	http://www.selleckchem.com/products/bromosporine.html
3653 / 3660 / 3667	C22	S7414	Caffeic Acid Phenethyl Ester	200	NF- κ B	NF- κ B	Caffeic acid phenethyl ester is a potent and specific inhibitor of NF- κ B activation, and also displays antioxidant, immunomodulatory and anti-inflammatory activities.	104594-70-9	free base	http://www.selleckchem.com/products/caffeic-acid-phenethyl-ester.html
3653 / 3660 / 3667	D03	S7434	TAPI-1	99	Others	Others	TAPI-1 is an ADAM17/TACE inhibitor, which blocks shedding of cytokine receptors.	171235-71-5	Free Base	www.selleckchem.com/products/tapi-1.html
3653 / 3660 / 3667	D04	S8034	Apremilast (CC-10004)	199	Metabolism	PDE	Apremilast (CC-10004) is a potent and orally active PDE4 and TNF- α inhibitor with IC50 of 74 nM and 77 nM, respectively.	608141-41-9	free base	http://www.selleckchem.com/products/apremilast-cc-10004.html
3653 / 3660 / 3667	D05	S7449	CRT0044876	198	DNA Damage	APE	CRT0044876 is a potent and selective APE1 inhibitor with IC50 of \sim 3 μ M.	6960-45-8	free base	http://www.selleckchem.com/products/crt0044876.html
3653 / 3660 / 3667	D06	S8043	Scriptaid	199	DNA Damage	HDAC	Scriptaid is an inhibitor of HDAC. It shows a greater effect on acetylated H4 than H3.	287383-59-9	free base	https://www.selleckchem.com/products/scriptaid.html
3653 / 3660 / 3667	D07	S7462	PI-1840	78	Proteases	Proteasome	PI-1840 is a reversible and selective chymotrypsin-like (CT-L) inhibitor with IC50 of 27 nM with little effects on the other two major proteasome proteolytic activities, trypsin-like (T-L) and postglutamyl-peptide-hydrolysis-like (PGPH-L).	1401223-22-0	Free Base	www.selleckchem.com/products/pi-1840.html
3653 / 3660 / 3667	D08	S8058	P276-00	200	Cell Cycle	CDK	p276-00 is a novel CDK1, CDK4 and CDK9 inhibitor with IC50 of 79 nM, 63 nM and 20 nM, respectively.	920113-03-7	hydrochloride	https://www.selleckchem.com/products/p276-00.html
3653 / 3660 / 3667	D09	S7490	WIKI4	7	Stem Cells & Wnt	Wnt/beta-catenin	WIKI4 is a novel Tankyrase inhibitor with IC50 of 15 nM for TNKS2, and leads to inhibition of Wnt/beta-catenin signaling.	838818-26-1	Free Base	www.selleckchem.com/products/wiki4.html
3653 / 3660 / 3667	D10	S8078	Bardoxolone Methyl	41	NF- κ B	I κ B/IKK	Bardoxolone Methyl is an IKK inhibitor, showing potent proapoptotic and anti-inflammatory activities. Phase 3.	218600-53-4	free base	http://www.selleckchem.com/products/bardoxolone-methyl.html
3653 / 3660 / 3667	D11	S7508	JNK Inhibitor IX	20	MAPK	JNK	JNK inhibitor IX is a selective and potent JNK inhibitor with pIC50 of 6.5 and 6.7 for JNK2 and JNK3, respectively.	312917-14-9	Free Base	www.selleckchem.com/products/jnk-inhibitor-ix.html
3653 / 3660 / 3667	D13	S7523	GS-9973	199	Angiogenesis	Syk	GS-9973 is an orally bioavailable, selective Syk inhibitor with IC50 of 7.7 nM. Phase 2.	1229208-44-9	free base	http://www.selleckchem.com/products/gs-9973.html
3653 / 3660 / 3667	D15	S7565	WH-4-023	12	Angiogenesis	Src	WH-4-023 is a potent and orally active Lck/Src inhibitor with IC50 of 2 nM and 6 nM, respectively.	837422-57-8	Free Base	www.selleckchem.com/products/wh-4-023.html
3653 / 3660 / 3667	D17	S8000	Tenovin-1	200	Apoptosis	p53,E3 Ligase	Tenovin-1 protects against MDM2-mediated p53 degradation, which involves ubiquitination, and acts through inhibition of protein-deacetylating activities of SirT1 and SirT2.	380315-80-0	free base	http://www.selleckchem.com/products/tenovin-1.html
3653 / 3660 / 3667	D19	S8009	AG-18	198	Protein Tyrosine Kinase	EGFR	AG-18 inhibits EGFR with IC50 of 35 μ M.	118409-57-7	free base	http://www.selleckchem.com/products/ag-18-tyrphostin-23.html
3653 / 3660 / 3667	D21	S8022	Empagliflozin (BI 10773)	199	GPCR & G Protein	SGLT	Empagliflozin (BI-10773) is a potent and selective SGLT-2 inhibitor with IC50 of 3.1 nM, exhibits >300-fold selectivity over SGLT-1, 4, 5 and 6. Phase 3.	864070-44-0	free base	http://www.selleckchem.com/products/empagliflozin-bi10773.html
3653 / 3660 / 3667	E03	S7092	SANT-1	56	Stem Cells & Wnt	Hedgehog/Smoothed	SANT-1 directly binds to Smoothed (Smo) receptor with Kd of 1.2 nM and inhibits Smo agonist effects with IC50 of 20 nM.	304909-07-7	free base	http://www.selleckchem.com/products/sant-1.html
3653 / 3660 / 3667	E04	S7253	AZD2858	15	PI3K/Akt/mTOR	GSK-3	AZD2858 is a selective GSK-3 inhibitor with an IC50 of 68 nM, activating Wnt signaling, increases bone mass in rats.	486424-20-8	free base	http://www.selleckchem.com/products/azd2858.html
3653 / 3660 / 3667	E05	S7104	AZD1208	75	JAK/STAT	Pim	AZD1208 is a potent, and orally available Pim kinase inhibitor with IC50 of 0.4 nM, 5 nM, and 1.9 nM for Pim1, Pim2, and Pim3, respectively. Phase 1.	1204144-28-4	Free Base	www.selleckchem.com/products/azd-1208.html
3653 / 3660 / 3667	E06	S7266	Golgicide A	200	Transmembrane Transporters	ATPase	Golgicide A is a potent and rapidly reversible GBF1 inhibitor.	1139889-93-2	free base	http://www.selleckchem.com/products/golgicide-a.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3653 / 3660 / 3667	E07	S7120	3-Deazaneplanocin A (DZNeP)	198	Epigenetics	Histone Methyltransferase	3-deazaneplanocin A (DZNeP), an analog of adenosine, is a competitive inhibitor of S-adenosylhomocysteine hydrolase with Ki of 50 pM.	102052-95-9	free base	https://www.selleckchem.com/products/3-deazaneplanocin-a-dznep.html
3653 / 3660 / 3667	E08	S7282	NMS-E973	198	Cytoskeletal Signaling	HSP90	NMS-E973 is a potent and selective Hsp90 inhibitor with DC50 of <10 nM for Hsp90 binding, no activity against a panel of 52 diverse protein kinases.	1253584-84-7	free base	http://www.selleckchem.com/products/nms-e973.html
3653 / 3660 / 3667	E09	S7132	P5091 (P005091)	80	Ubiquitin	DUB	P5091(P005091) is a selective and potent inhibitor of ubiquitin-specific protease 7 (USP7) with EC50 of 4.2 μM and the closely related USP47.	882257-11-6	free base	http://www.selleckchem.com/products/p5091-p005091.html
3653 / 3660 / 3667	E10	S7297	AZD9291	99	Protein Tyrosine Kinase	EGFR	AZD9291 is an oral, irreversible, and mutant-selective EGFR inhibitor with IC50 of 12.92, 11.44 and 493.8 nM for Exon 19 deletion EGFR, L858R/T790M EGFR, and WT EGFR, respectively. Phase 3.	1421373-65-0	Free Base	www.selleckchem.com/products/azd9291.html
3653 / 3660 / 3667	E11	S7142	NSC697923	198	Ubiquitin	E2	NSC697923 is a cell-permeable and selective inhibitor of the Ub-conjugating enzyme (E2) complex Ubc13-Uev1A.	343351-67-7	free base	http://www.selleckchem.com/products/nsc697923.html
3653 / 3660 / 3667	E12	S7317	WZ4003	14	PI3K/Akt/mTOR	AMPK	WZ4003 is a highly specific NUAJ kinase inhibitor with IC50 of 20 nM and 100 nM for NUAJ1 and NUAJ2, respectively, without significant inhibition on 139 other kinases.	1214265-58-3	free base	http://www.selleckchem.com/products/wz4003.html
3653 / 3660 / 3667	E13	S7153	10058-F4	200	Cell Cycle	c-Myc	10058-F4 is a c-Myc inhibitor that specifically inhibits the c-Myc-Max interaction and prevents transactivation of c-Myc target gene expression.	403811-55-2	free base	https://www.selleckchem.com/products/10058-f4.html
3653 / 3660 / 3667	E14	S7330	6H05	100	Cell Cycle	Rho	6H05 is a selective, and allosteric inhibitor of oncogenic K-Ras(G12C).	No	Free Base	www.selleckchem.com/products/6h05.html
3653 / 3660 / 3667	E15	S7173	AVL-292	200	Angiogenesis	BTK	AVL-292 is a covalent, orally active, and highly selective BTK inhibitor with IC50 of <0.5 nM, displaying at least 1400-fold selectivity over the other kinases assayed. Phase 1.	1202757-89-8	free base	http://www.selleckchem.com/products/avl-292.html
3653 / 3660 / 3667	E16	S7353	EPZ004777	185	Epigenetics	Histone Methyltransferase	EPZ004777 is a potent, selective DOT1L inhibitor with IC50 of 0.4 nM.	1338466-77-5	free base	https://www.selleckchem.com/products/epz004777.html
3653 / 3660 / 3667	E17	S7195	RKI-1447	199	Cell Cycle	ROCK	RKI-1447 is a potent inhibitor of ROCK1 and ROCK2, with IC50 of 14.5 nM and 6.2 nM, respectively, has anti-invasive and antitumor activities.	1342278-01-6	free base	http://www.selleckchem.com/products/rki-1447.html
3653 / 3660 / 3667	E18	S7367	GNE-0877	67	Autophagy	LRRK2	GNE-0877 is a highly potent and selective leucine-rich repeat kinase 2 (LRRK2) inhibitor with Ki of 0.7 nM.	1374828-69-9	Free Base	www.selleckchem.com/products/gne-0877.html
3653 / 3660 / 3667	E19	S7214	Skepinone-L	199	MAPK	p38 MAPK	Skepinone-L is a selective p38α-MAPK inhibitor with IC50 of 5 nM.	1221485-83-1	free base	http://www.selleckchem.com/products/skepinone-l.html
3653 / 3660 / 3667	E20	S7380	Leupeptin Hemisulfate	95	Proteases	Serine Protease	Leupeptin Hemisulfate is a reversible inhibitor of serine and cysteine proteases.	103476-89-7	Free Base	www.selleckchem.com/products/leupeptin-hemisulfate.html
3653 / 3660 / 3667	E21	S7234	IOX1	37	Epigenetics	Histone demethylases	IOX1 is a potent and broad-spectrum inhibitor of 2OG oxygenases, including the JmjC demethylases.	5852-78-8	Free Base	www.selleckchem.com/products/iox1.html
3653 / 3660 / 3667	E22	S7417	Puromycin 2HCl	100	Others	Others	Puromycin 2HCl is an aminonucleoside antibiotic, which acts as a protein synthesis inhibitor.	58-58-2	Salt	www.selleckchem.com/products/Puromycin-2HCl.html
3653 / 3660 / 3667	F03	S7435	AR-A014418	201	PI3K/Akt/mTOR	GSK-3	AR-A014418 is an ATP-competitive, and selective GSK3β inhibitor with IC50 and Ki of 104 nM and 38 nM, without significant inhibition on 26 other kinases tested.	487021-52-3	free base	http://www.selleckchem.com/products/ar-a014418.html
3653 / 3660 / 3667	F04	S8035	VU 0364439	201	Neuronal Signaling	GluR	VU 0364439 is a mGlu4 positive allosteric modulator (PAM), with EC50 of 19.8 nM.	1246086-78-1	free base	https://www.selleckchem.com/products/vu-0364439.html
3653 / 3660 / 3667	F05	S7450	FH1(BRD-K4477)	198	Others	Others	FH1(BRD-K4477) is a small molecule, which promotes differentiation of iPSC-derived hepatocytes.	5/3/2719	free base	http://www.selleckchem.com/products/fh1-brd-k4477.html
3653 / 3660 / 3667	F06	S8044	BMS-345541	35	NF-κB	IκB/IKK	BMS-345541 is a highly selective inhibitor of the catalytic subunits of IKK-2 and IKK-1 with IC50 of 0.3 μM and 4 μM, respectively.	445430-58-0	free base	http://www.selleckchem.com/products/bms-345541.html
3653 / 3660 / 3667	F07	S7467	LB42708	180	Metabolism	Ftase	LB42708 is an orally active farnesyltransferase (FTase) inhibitor with IC50 of 0.8, 1.2, and 2.0 nM toward H-ras, N-ras, and K-ras, respectively.	226929-39-1	free base	http://www.selleckchem.com/products/lb42708.html
3653 / 3660 / 3667	F08	S8059	Nutlin-3a	100	Apoptosis	Mdm2	Nutlin-3a, the active enantiomer of Nutlin-3, inhibits the p53/MDM2 interaction with IC50 of 90 nM.	675576-98-4	Free Base	www.selleckchem.com/products/nutlin-3a.html
3653 / 3660 / 3667	F09	S7493	INH1	61	Cytoskeletal Signaling	Microtubule Associat	INH1 is a cell-permeable Hec1 inhibitor, which specifically disrupts the Hec1/Nek2 interaction.	313553-47-8	Free Base	www.selleckchem.com/products/inh1.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3653 / 3660 / 3667	F11	S7509	ML167	199	Cell Cycle	CDK	ML167 is a highly selective Cdc2-like kinase 4 (Cik4) inhibitor with IC50 of 136 nM, >10-fold selectivity for closely related kinases Cik1-3 and Dyrk1A/1B.	1285702-20-6	free base	http://www.selleckchem.com/products/ml167.html
3653 / 3660 / 3667	F13	S7525	XMD8-92	73	MAPK	ERK	XMD8-92 is a potent and selective BMK1/ERK5 inhibitor with Kd of 80 nM.	1234480-50-2	Free Base	www.selleckchem.com/products/xmd8-92.html
3653 / 3660 / 3667	F15	S7566	IM-12	75	PI3K/Akt/mTOR	GSK-3	IM-12 is a selective GSK-3 β inhibitor with IC50 of 53 nM, and also enhances canonical Wnt signalling.	1129669-05-1	Free Base	www.selleckchem.com/products/im-12.html
3653 / 3660 / 3667	F17	S8001	Rocilinostat (ACY-1215)	200	Epigenetics	HDAC	Rocilinostat (ACY-1215) is a selective HDAC6 inhibitor with IC50 of 5 nM. It is >10-fold more selective for HDAC6 than HDAC1/2/3 (class I HDACs) with slight activity against HDAC8, minimal activity against HDAC4/5/7/9/11, Sirtuin1, and Sirtuin2.	1316214-52-4	free base	http://www.selleckchem.com/products/rocinostat-acy-1215.html
3653 / 3660 / 3667	F19	S8010	PRX-08066 Maleic acid	200	Neuronal Signaling	5-HT Receptor	PRX-08066 is a selective 5-HT2B receptor antagonist with IC50 of 3.4 nM, prevents the severity of pulmonary arterial hypertension in the MCT rat model. Phase 2.	866206-55-5	maleate	http://www.selleckchem.com/products/prx-08066.html
3653 / 3660 / 3667	F21	S8023	TCS 359	41	Angiogenesis	FLT3	TCS 359 is a potent FLT3 inhibitor with IC50 of 42 nM.	301305-73-7	free base	http://www.selleckchem.com/products/tcs-359.html
3653 / 3660 / 3667	G03	S7093	IPA-3	199	Cytoskeletal Signaling	PAK	IPA-3 is a selective non-ATP competitive Pak1 inhibitor with IC50 of 2.5 μ M, no inhibition to group II PAKs (PAKs 4-6).	42521-82-4	free base	https://www.selleckchem.com/products/ipa-3.html
3653 / 3660 / 3667	G04	S7255	NMS-P937 (NMS1286937)	42	Cell Cycle	PLK	NMS-P937 (NMS1286937) is an orally available, selective Polo-like Kinase 1 (PLK1) inhibitor with IC50 of 2 nM, 5000-fold selectivity over PLK2/PLK3. Phase 1.	1034616-18-6	Free Base	www.selleckchem.com/products/nms-p937-nms1286937.html
3653 / 3660 / 3667	G05	S7106	AZD3463	53	Protein Tyrosine Kinase	ALK	AZD3463 is a novel orally bioavailable ALK inhibitor with Ki of 0.75 nM, which also inhibits IGF1R with equivalent potency.	1356962-20-3	free base	http://www.selleckchem.com/products/azd3463.html
3653 / 3660 / 3667	G06	S7269	PD173955	15	Angiogenesis	BCR-ABL	PD173955 is a potent Bcr-Abl inhibitor with IC50 of 1-2 nM, also inhibiting Src activity with IC50 of 22 nM.	260415-63-2	Free Base	www.selleckchem.com/products/pd173955.html
3653 / 3660 / 3667	G07	S7122	XL888	198	Cytoskeletal Signaling	HSP (e.g. HSP90)	XL888 is an ATP-competitive inhibitor of HSP90 with IC50 of 24 nM.	1149705-71-4	free base	https://www.selleckchem.com/products/xl888.html
3653 / 3660 / 3667	G08	S7284	CO-1686 (AVL-301)	180	Protein Tyrosine Kinase	EGFR	CO-1686 is an irreversible, mutant-selective EGFR inhibitor with Ki of 21.5 nM and 303.3 nM for EGFR L858R/T790M and EGFR WT, respectively. Phase 1/2.	1374640-70-6	free base	http://www.selleckchem.com/products/co-1686.html
3653 / 3660 / 3667	G09	S7133	P22077	199	Ubiquitin	DUB	P22077 is an inhibitor of ubiquitin-specific protease USP7 with EC50 of 8.6 μ M, also inhibits the closely related USP47.	1247819-59-5	free base	http://www.selleckchem.com/products/p22077.html
3653 / 3660 / 3667	G10	S7300	PJ34 HCl	66	DNA Damage	PARP	PJ34 HCl is the hydrochloride salt of PJ34, which is a PARP inhibitor with EC50 of 20 nM and is equally potent to PARP1/2.	344458-15-7	Salt	www.selleckchem.com/products/pj34-hcl.html
3653 / 3660 / 3667	G11	S7143	LGK-974	199	Stem Cells & Wnt	Wnt/beta-catenin	LGK-974 is a potent and specific PORCN inhibitor, and inhibits Wnt signaling with IC50 of 0.4 nM. Phase 1.	1243244-14-5	free base	http://www.selleckchem.com/products/lgk-974.html
3653 / 3660 / 3667	G12	S7319	EHop-016	199	Cell Cycle	Rac	EHop-016 is a specific Rac GTPase inhibitor with IC50 of 1.1 μ M for Rac1, equally potent inhibition for Rac3.	1380432-32-5	free base	http://www.selleckchem.com/products/ehop-016.html
3653 / 3660 / 3667	G13	S7155	Batimastat (BB-94)	200	Proteases	MMP	Batimastat (BB-94) is a potent, broad spectrum matrix metalloprotease (MMP) inhibitor for MMP-1, MMP-2, MMP-9, MMP-7 and MMP-3 with IC50 of 3 nM, 4 nM, 4 nM, 6 nM and 20 nM, respectively.	130370-60-4	free base	https://www.selleckchem.com/products/bb-94.html
3653 / 3660 / 3667	G14	S7332	K-Ras(G12C) inhibitor 9	53	Cell Cycle	Rho	K-Ras(G12C) inhibitor 9 is an allosteric inhibitor of oncogenic K-Ras(G12C).	1469337-91-4	Free Base	www.selleckchem.com/products/k-ras-g12c-inhibitor9.html
3653 / 3660 / 3667	G15	S7176	SKI II	201	GPCR & G Protein	S1P Receptor	SKI II is a highly selective and non ATP-competitive S1P receptor inhibitor with IC50 of 0.5 μ M, while exhibits no inhibitory on other kinases including PI3K, PKC α and ERK2.	312636-16-1	free base	http://www.selleckchem.com/products/ski-ii.html
3653 / 3660 / 3667	G16	S7355	ARQ 621	100	Cytoskeletal Signaling	Kinesin	ARQ 621 is an allosteric, and selective Eg5 mitotic motor protein inhibitor. Phase 1.	1095253-39-6	Free Base	www.selleckchem.com/products/arq-621.html
3653 / 3660 / 3667	G17	S7198	BIO	199	PI3K/Akt/mTOR	GSK-3	BIO (6-bromoindirubin-3'-oxime) is a specific inhibitor of GSK-3 with IC50 of 5 nM for GSK-3 α/β , shows >16-fold selectivity over CDK5, also a pan-JAK inhibitor.	667463-62-9	free base	http://www.selleckchem.com/products/bio.html
3653 / 3660 / 3667	G18	S7368	GNE-9605	89	Autophagy	LRRK2	GNE-9605 is a highly potent and selective leucine-rich repeat kinase 2 (LRRK2) inhibitor with Ki and IC50 of 2 nM and 19 nM, respectively.	1536200-31-3	Free Base	www.selleckchem.com/products/gne-9605.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3653 / 3660 / 3667	G19	S7215	Losmapimod (GW856553X)	76	MAPK	p38 MAPK	Losmapimod (GW856553X) is a selective, potent, and orally active p38 MAPK inhibitor with pKi of 8.1 and 7.6 for p38 α and p38 β , respectively. Phase 3.	585543-15-3	Free Base	www.selleckchem.com/products/losmapimod-gw856553x.html
3653 / 3660 / 3667	G20	S7382	Phosphoramidon Disodium Salt	100	Others	Others	Phosphoramidon Disodium Salt is a metalloendopeptidase inhibitor, widely used as a biochemical tool.	164204-38-0	Salt	www.selleckchem.com/products/phosphoramidon-disodium-salt.html
3653 / 3660 / 3667	G21	S7237	OG-L002	199	Epigenetics	Histone demethylases	OG-L002 is a potent and specific LSD1 inhibitor with IC50 of 20 nM, exhibiting 36- and 69-fold selectivity over MAO-B and MAO-A, respectively.	1357302-64-7	free base	http://www.selleckchem.com/products/og-l002.html
3653 / 3660 / 3667	G22	S7421	CGP 57380	196	Others	MNK	CGP 57380 is potent MNK1 inhibitor with IC50 of 2.2 μ M, exhibiting no inhibitory activity on p38, JNK1, ERK1 and -2, PKC, or c-Src-like kinases.	522629-08-9	free base	http://www.selleckchem.com/products/cgp57380.html
3653 / 3660 / 3667	H03	S7436	NH125	190	Others	ELF2	NH125 is a selective eEF-2 kinase inhibitor with IC50 of 60 nM, >125-fold selectivity over PKC, PKA, and CaMKII, and also a potent histidine kinase inhibitor.	278603-08-0	free base	http://www.selleckchem.com/products/nh125.html
3653 / 3660 / 3667	H04	S8036	Butein	10	Protein Tyrosine Kinase	EGFR	Butein, a plant polyphenol isolated from <i>Rhus verniciflua</i> , is able to inhibit the activation of protein tyrosine kinase, NF- κ B and STAT3, also inhibits EGFR	487-52-5	free base	https://www.selleckchem.com/products/butein.html
3653 / 3660 / 3667	H05	S7451	FPH1 (BRD-6125)	200	Others	Others	FPH1 (BRD-6125) is a small molecule, which promotes expansion of iPSC-derived hepatocytes.	708219-39-0	free base	http://www.selleckchem.com/products/fph1-brd-6125.html
3653 / 3660 / 3667	H06	S8047	Dynasore	198	Others	Dynamin	Dynasore is a cell-permeable, reversible non-competitive dynamin inhibitor of GTPase activity of dynamin 1/2, with IC50 of 15 μ M, also inhibits the mitochondrial dynamin Drp1, with no effect against other small GTPase.	304448-55-3	free base	http://www.selleckchem.com/products/dynasore.html
3653 / 3660 / 3667	H07	S7470	Triapine	199	DNA Damage	ribonucleotide reductase	Triapine is a potent ribonucleotide reductase inhibitor with broad spectrum antitumor activity by inhibiting DNA synthesis. Phase 2.	200933-27-3	free base	http://www.selleckchem.com/products/triapine.html
3653 / 3660 / 3667	H08	S8061	Sabutoclax	100	Apoptosis	Bcl-2	Sabutoclax(BI-97C1) is a pan-Bcl-2 inhibitor, including Bcl-xL, Bcl-2, Mcl-1 and Bfl-1 with IC50 of 0.31 μ M, 0.32 μ M, 0.20 μ M and 0.62 μ M, respectively.	1228108-65-3	Free Base	www.selleckchem.com/products/sabutoclax.html
3653 / 3660 / 3667	H09	S7494	INH6	64	Cytoskeletal Signaling	Microtubule Associat	INH6 is a potent Hec1 inhibitor, which specifically disrupts the Hec1/Nek2 interaction and causes chromosome mis-alignment.	1001753-24-7	Free Base	www.selleckchem.com/products/inh6.html
3653 / 3660 / 3667	H11	S7513	Trelagliptin	198	Proteases	DDP-4	Trelagliptin is a highly selective, long-acting DPP-4 inhibitor. Phase 3.	865759-25-7	free base	http://www.selleckchem.com/products/trelagliptin.html
3653 / 3660 / 3667	H13	S7526	GNF-5	83	Angiogenesis	Bcr-Abl	GNF-5 is a selective and allosteric Bcr-Abl inhibitor with IC50 of 220 nM.	778277-15-9	Free Base	www.selleckchem.com/products/gnf-5.html
3653 / 3660 / 3667	H15	S7587	INCB024360	54	Metabolism	IDO	INCB024360 is a potent, competitive IDO1 (indoleamine-(2,3)-dioxygenase) inhibitor with IC50 of 67 nM. Phase 2.	914471-09-3	Free Base	www.selleckchem.com/products/incb024360.html
3653 / 3660 / 3667	H17	S8002	GSK2636771	64	PI3K/Akt/mTOR	PI3K	GSK2636771 is a potent, orally bioavailable, PI3K β -selective inhibitor, sensitive to PTEN null cell lines. Phase 1/2a.	1372540-25-4	free base	http://www.selleckchem.com/products/gsk2636771.html
3653 / 3660 / 3667	H19	S8014	GW9508	198	Endocrinology & Hormones	GPR	GW9508 is a potent and selective agonist for FFA1 (GPR40) with pEC50 of 7.32, 100-fold selective against GPR120, stimulates insulin secretion in a glucose-sensitive manner.	885101-89-3	free base	http://www.selleckchem.com/products/gw9508.html
3653 / 3660 / 3667	H21	S8024	Tyrphostin AG 1296	22	Protein Tyrosine Kinase	FGFR,c-Kit,PDGFR	Tyrphostin AG 1296 is an inhibitor of PDGFR with IC50 of 0.3-0.5 μ M, no activity to EGFR.	146535-11-7	free base	http://www.selleckchem.com/products/tyrphostin-ag-1296-ag-1296.html
3653 / 3660 / 3667	I03	S7094	PF-3758309	98	Cytoskeletal Signaling	PAK	PF-03758309 is a potent, ATP-competitive, pyrrolopyrazole inhibitor of PAK4 with IC50 of 1.3 nM.	898044-15-0	Free Base	www.selleckchem.com/products/pf-3758309.html
3653 / 3660 / 3667	I04	S7256	SGC-CBP30	196	Epigenetics	Epigenetic Reader Domain	SGC-CBP30 is a potent CREBBP/EP300 inhibitor with IC50 of 21 nM and 38 nM, respectively.	N/A	free base	http://www.selleckchem.com/products/sgc-cbp30.html
3653 / 3660 / 3667	I05	S7108	LGX818	185	MAPK	RAF	LGX818 is a highly potent RAF inhibitor with selective anti-proliferative and apoptotic activity in cells expressing B-RAF(V600E) with EC50 of 4 nM.	1269440-17-6	free base	http://www.selleckchem.com/products/lgx818.html
3653 / 3660 / 3667	I06	S7270	SRPIN340	200	Others	Others	SRPIN340 is a selective SRPK inhibitor with Ki of 0.89 μ M for SRPK1, showing no significant inhibitory activity against more than 140 other kinases.	218156-96-8	free base	http://www.selleckchem.com/products/srpin340.html
3653 / 3660 / 3667	I07	S7124	SC144	86	Others	Others	SC144 is an orally active small-molecule gp130 inhibitor.	895158-95-9	free base	http://www.selleckchem.com/products/sc144.html
3653 / 3660 / 3667	I08	S7285	NMS-873	192	Ubiquitin	p97	NMS-873 is an allosteric and specific p97 inhibitor with IC50 of 30 nM.	1418013-75-8	free base	http://www.selleckchem.com/products/nms-873.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3653 / 3660 / 3667	I09	S7134	IU1	199	Proteases	DUB	IU1 is a cell-permeable, reversible and selective proteasome inhibitor of human USP14 with IC50 of 4.7 μ M, 25-fold selective to IsoT.	314245-33-5	free base	http://www.selleckchem.com/products/iu1.html
3653 / 3660 / 3667	I10	S7301	IWP-L6	52	Stem Cells & Wnt	Wnt/beta-catenin	IWP-L6 is a highly potent Porcn inhibitor with EC50 of 0.5 nM.	1427782-89-5	free base	http://www.selleckchem.com/products/iwp-l6.html
3653 / 3660 / 3667	I11	S7145	AZD1080	155	PI3K/Akt/mTOR	GSK-3	AZD1080 is a selective, orally active, brain permeable GSK3 inhibitor, inhibits human GSK3 α and GSK3 β with Ki of 6.9 nM and 31 nM, respectively, shows >14-fold selectivity against CDK2, CDK5, CDK1 and Erk2.	612487-72-6	free base	http://www.selleckchem.com/products/azd1080.html
3653 / 3660 / 3667	I12	S7320	TG003	24	Cell Cycle	CDK	TG003 is a potent and ATP-competitive Cdc2-like kinase (Cdk) inhibitor with IC50 of 20 nM, 200 nM, and 15 nM for Cdk1, Cdk2, and Cdk4, respectively. No inhibitory effect on Cdk3, SRPK1, SRPK2, or PKC.	300801-52-9	free base	http://www.selleckchem.com/products/tg003.html
3653 / 3660 / 3667	I13	S7157	Ilomastat (GM6001, Galardin)	200	Proteases	MMP	GM6001 (galardin, ilomastat) is a broad spectrum matrix metalloproteinase (MMP) inhibitor for MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-12, MMP-14, and MMP-26 with Ki of 0.4 nM, 0.5 nM, 27 nM, 3.7 nM, 0.1 nM, 0.2 nM, 3.6 nM, 13.4 nM, 0.36 nM, respectively.	142880-36-2	free base	https://www.selleckchem.com/products/gm6001.html
3653 / 3660 / 3667	I14	S7333	K-Ras(G12C) inhibitor 6	199	Cell Cycle	Ras	K-Ras(G12C) inhibitor 6 is an allosteric, and selective inhibitor of oncogenic K-Ras(G12C).	N/A	free base	http://www.selleckchem.com/products/k-ras-g12c-inhibitor-6.html
3653 / 3660 / 3667	I15	S7177	PF-543	93	GPCR & G Protein	S1P Receptor	PF-543, a novel sphingosine-competitive inhibitor of SphK1, inhibits SphK1 with IC50 and Ki of 2.0 nM and 3.6 nM, exhibits >100-fold selectivity over the SphK2 isoform.	1415562-82-1	Free Base	www.selleckchem.com/products/pf-543.html
3653 / 3660 / 3667	I16	S7356	HS-173	84	PI3K/Akt/mTOR	PI3K	HS-173 is a potent PI3K α inhibitor with IC50 of 0.8 nM.	1276110-06-5	Free Base	www.selleckchem.com/products/hs-173.html
3653 / 3660 / 3667	I17	S7199	DBeQ	199	Ubiquitin	p97	DBeQ is a selective, potent, reversible, and ATP-competitive p97 inhibitor with IC50 of 1.5 μ M.	177355-84-9	free base	http://www.selleckchem.com/products/dbeq.html
3653 / 3660 / 3667	I18	S7369	4EGI-1	199	Others	ELF4	4EGI-1 is a competitive eIF4E/eIF4G interaction inhibitor by binding to eIF4E with KD of 25 μ M.	315706-13-9	free base	http://www.selleckchem.com/products/4egi-1.html
3653 / 3660 / 3667	I19	S7217	OAC1	198	Others	Others	OAC1 (Oct4-activating compound 1) can enhance the efficiency of reprogramming.	300586-90-7	free base	http://www.selleckchem.com/products/oac1.html
3653 / 3660 / 3667	I20	S7383	(-)-p-Bromotetramisole Oxalate	74	Others	Others	(-)-p-Bromotetramisole Oxalate is a potent and non-specific alkaline phosphatase inhibitor.	62284-79-1	Free Base	www.selleckchem.com/products/-p-Bromotetramisole-Oxalate.html
3653 / 3660 / 3667	I21	S7241	AGI-6780	199	Metabolism	IDH2	AGI-6780 is a potent and selective inhibitor of IDH2 R140Q mutant with IC50 of 23 nM.	1432660-47-3	free base	http://www.selleckchem.com/products/agi-6780.html
3653 / 3660 / 3667	I22	S7422	KN-62	100	Others	Others	KN-62 is a potent and specific inhibitor of Ca2+/calmodulin-dependent protein kinase II (CaMKII) with Ki of 0.9 μ M.	127191-97-3	Free Base	www.selleckchem.com/products/KN-62.html
3653 / 3660 / 3667	J03	S7437	Sal003	200	Others	ELF2	Sal003 is a potent and cell-permeable eIF-2 α phosphatase inhibitor.	1164470-53-4	free base	http://www.selleckchem.com/products/sal003.html
3653 / 3660 / 3667	J04	S8037	Necrostatin-1	200	Apoptosis	TNF-alpha	Necrostatin-1 is a specific RIP1 inhibitor and inhibits TNF- α -induced necroptosis with EC50 of 490 nM.	4311-88-0	free base	http://www.selleckchem.com/products/necrostatin-1.html
3653 / 3660 / 3667	J05	S7452	FPH2 (BRD-9424)	70	Others	Others	FPH2 (BRD-9424) is a small molecule, which promotes differentiation of iPS derived hepatocytes.	957485-64-2	Free Base	www.selleckchem.com/products/fph2-brd-9424.html
3653 / 3660 / 3667	J06	S8048	ABT-199 (GDC-0199)	115	Apoptosis	Bcl-2	ABT-199 (GDC-0199) is a Bcl-2-selective inhibitor with Ki of <0.01 nM, >4800-fold more selective versus Bcl-xL and Bcl-w, and no activity to Mcl-1. Phase 2.	1257044-40-8	free base	http://www.selleckchem.com/products/abt-199.html
3653 / 3660 / 3667	J07	S7473	Nexturastat A	199	Epigenetics	HDAC	Nexturastat A is a potent and selective HDAC6 inhibitor with IC50 of 5 nM, >190-fold selectivity over other HDACs.	1403783-31-2	free base	http://www.selleckchem.com/products/nexturastat-a.html
3653 / 3660 / 3667	J08	S8065	Nutlin-3b	100	Apoptosis	Mdm2	Nutlin-3b is a p53/MDM2 antagonist or inhibitor with IC50 value of 13.6 μ M, 150-fold less potent (+)-enantiomer of Nutlin-3 as in comparison with opposite (-)-enantiomer Nutlin-3a.	675576-97-3	Free Base	www.selleckchem.com/products/nutlin-3b.html
3653 / 3660 / 3667	J09	S7497	CK-636	200	Cytoskeletal Signaling	Arp2/3	CK-636 is an Arp2/3 complex inhibitor with IC50 of 4 μ M, 24 μ M and 32 μ M for inhibition of actin polymerization induced by human, fission yeast and bovine Arp2/3 complex, respectively.	442632-72-6	free base	http://www.selleckchem.com/products/ck-636.html
3653 / 3660 / 3667	J11	S7515	VGX-1027	199	Others	Others	VGX-1027 is an orally active immunomodulator. Phase 1.	6501-72-0	free base	http://www.selleckchem.com/products/vgx-1027.html
3653 / 3660 / 3667	J13	S7528	GNE-7915	22	Autophagy	LRRK2	GNE-7915 is a highly potent, selective, and brain-penetrable leucine-rich repeat kinase 2 (LRRK2) inhibitor, with IC50 and Ki of 9 nM and 1 nM, respectively.	1351761-44-8	Free Base	www.selleckchem.com/products/gne-7915.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3653 / 3660 / 3667	J15	S7589	N6022	82	Others	Others	N6022 is a selective, and reversible inhibitor of S-nitrosoglutathione reductase (GSNOR) with IC50 of 8 nM and Ki of 2.5 nM. Phase 1/2.	1208315-24-5	Free Base	www.selleckchem.com/products/n6022.html
3653 / 3660 / 3667	J17	S8003	PQ 401	93	Protein Tyrosine Kinase	IGF-1R	PQ401 inhibits autophosphorylation of IGF-1R domain with IC50 of <1 µM.	196868-63-0	free base	http://www.selleckchem.com/products/pq-401.html
3653 / 3660 / 3667	J19	S8015	CEP-32496	17	MAPK	CSF-1R,Raf	CEP-32496 is a highly potent inhibitor of BRAF(V600E/WT) and c-Raf with Kd of 14 nM/36 nM and 39 nM, also potent to Abl-1, c-Kit, Ret, PDGFRβ and VEGFR2, respectively; insignificant affinity for MEK-1, MEK-2, ERK-1 and ERK-2. Phase 1/2.	1188910-76-0	free base	http://www.selleckchem.com/products/cep-32496.html
3653 / 3660 / 3667	J21	S8025	GSK3787	201	Metabolism	PPAR	GSK3787 is as a selective and irreversible antagonist of PPARδ with pIC50 of 6.6, with no measurable affinity for hPPARα or hPPARγ.	188591-46-0	free base	https://www.selleckchem.com/products/gsk3787.html
3653 / 3660 / 3667	K03	S7096	KY02111	199	Stem Cells & Wnt	Wnt/beta-catenin	KY02111 promotes differentiation of hPSCs to cardiomyocytes by inhibiting Wnt signaling, may act downstream of APC and GSK3β.	1118807-13-8	free base	https://www.selleckchem.com/products/ky02111.html
3653 / 3660 / 3667	K04	S7257	CNX-774	200	Angiogenesis	BTK	CNX-774 is an irreversible, orally active, and highly selective BTK inhibitor with IC50 of <1 nM.	1202759-32-7	free base	http://www.selleckchem.com/products/cnx-774.html
3653 / 3660 / 3667	K05	S7110	(+)-JQ1	199	Epigenetics	Epigenetic Reader Domain	(+)-JQ1 is a BET bromodomain inhibitor, with IC50 of 77 nM/33 nM for BRD4(1/2), binding to all bromodomains of the BET family, but not to bromodomains outside the BET family.	1268524-70-4	free base	http://www.selleckchem.com/products/jq1.html
3653 / 3660 / 3667	K06	S7272	4µ8C	93	Others	Others	4µ8C is a potent and selective IRE1 Rnase inhibitor with IC50 of 76 nM.	14003-96-4	free base	http://www.selleckchem.com/products/4u8c.html
3653 / 3660 / 3667	K07	S7125	KPT-185	199	Transmembrane Transporters	CRM1	KPT-185 is a selective CRM1 inhibitor.	1333151-73-7	free base	http://www.selleckchem.com/products/kpt-185.html
3653 / 3660 / 3667	K08	S7289	PFK15	19	Others	Others	PFK15 is a potent and selective 6-phosphofructo-2-kinase (PFKFB3) with IC50 of 207 nM.	4382-63-2	Free Base	www.selleckchem.com/products/pfk15.html
3653 / 3660 / 3667	K09	S7135	LDN-57444	27	Proteases	DUB	LDN-57444 is a reversible, competitive proteasome inhibitor for Uch-L1 with IC50 of 0.88 µM, 28-fold selectivity over isoform Uch-L3.	668467-91-2	free base	http://www.selleckchem.com/products/ldn-57444.html
3653 / 3660 / 3667	K10	S7303	Rilpivirine	199	Microbiology	Reverse Transcriptase	Rilpivirine is a non-nucleoside reverse transcriptase inhibitor (NNRTI), and used to treat HIV-1 infection.	500287-72-9	free base	http://www.selleckchem.com/products/rilpivirine.html
3653 / 3660 / 3667	K11	S7146	DMH1	84	TGF-beta/Smad	BMP	DMH1 is a selective BMP receptor inhibitor with IC50 of 107.9 nM for ALK2, exhibiting no inhibition on AMPK, ALK5, KDR (VEGFR-2) or PDGFR.	1206711-16-1	free base	http://www.selleckchem.com/products/dmh1.html
3653 / 3660 / 3667	K12	S7324	TMP269	100	Epigenetics	HDAC	TMP269 is a potent, selective class IIa HDAC inhibitor with IC50 of 157 nM, 97 nM, 43 nM and 23 nM for HDAC4, HDAC5, HDAC7 and HDAC9, respectively.	1314890-29-3	Free Base	www.selleckchem.com/products/tmp269.html
3653 / 3660 / 3667	K13	S7158	LY2835219	137	Cell Cycle	CDK	LY2835219 is a potent and selective inhibitor of CDK4 and CDK6 with IC50 of 2 nM and 10 nM, respectively.	1231930-82-7	mesylate	http://www.selleckchem.com/products/ly2835219.html
3653 / 3660 / 3667	K14	S7336	CW069	100	Cytoskeletal Signaling	Microtubule Associat	CW069 is an allosteric, and selective inhibitor of microtubule motor protein HSET with IC50 of 75 µM, significant selectivity over KSP.		Free Base	www.selleckchem.com/products/cw069.html
3653 / 3660 / 3667	K15	S7185	AGI-5198	51	Metabolism	Dehydrogenase	AGI-5198 is the first highly potent and selective inhibitor of IDH1 R132H/R132C mutants with IC50 of 0.07 µM/0.16 µM.	1355326-35-0	free base	http://www.selleckchem.com/products/agi-5198.html
3653 / 3660 / 3667	K16	S7357	PF-562271 HCl	183	Angiogenesis	FAK	PF-562271 HCl is the hydrochloride salt of PF-562271, which is a potent, ATP-competitive, reversible inhibitor of FAK with IC50 of 1.5 nM, ~10-fold less potent for Pyk2 than FAK and >100-fold selectivity against other protein kinases, except for some CDKs. Phase 1.	N/A	hydrochloride	http://www.selleckchem.com/products/pf-562271-hcl.html
3653 / 3660 / 3667	K17	S7206	CNX-2006	100	Protein Tyrosine Kinase	EGFR	CNX-2006 is a novel irreversible mutant-selective EGFR inhibitor with IC50 of < 20 nM, with very weak inhibition at wild-type EGFR.	1375465-09-0	Free Base	www.selleckchem.com/products/cnx-2006.html
3653 / 3660 / 3667	K18	S7370	4E1RCat	200	Others	ELF4	4E1RCat is a dual inhibitor of eIF4E:eIF4G and eIF4E:4E-BP1 interaction, and inhibits the binding of eIF4G to eIF4E with IC50 of 3.2 µM.	328998-25-0	free base	http://www.selleckchem.com/products/4e1rcat.html
3653 / 3660 / 3667	K19	S7218	Alvelestat (AZD9668)	100	Proteases	Serine Protease	Alvelestat (AZD9668) is an oral, highly selective inhibitor of neutrophil elastase (NE) with IC50 and Ki of 12 nM and 9.4 nM, at least 600-fold more selective over other serine proteases. Phase 2.	848141-11-7	Free Base	www.selleckchem.com/products/avelestat-azd9668.html
3653 / 3660 / 3667	K20	S7391	Z-FA-FMK	77	Proteases	Cysteine Protease	Z-FA-FMK is an irreversible cysteine protease inhibitor, and also inhibits effector caspases.	197855-65-5	Free Base	www.selleckchem.com/products/z-fa-fmk.html
3653 / 3660 / 3667	K21	S7242	Erastin	34	Metabolism	Ferroptosis	Erastin is a ferroptosis activator by acting on mitochondrial VDAC, exhibiting selectivity for tumor cells bearing oncogenic RAS.	571203-78-6	free base	http://www.selleckchem.com/products/erastin.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3653 / 3660 / 3667	K22	S7423	KN-93 Phosphate	100	Others	Others	KN-93 Phosphate is a potent and specific inhibitor of Ca ²⁺ /calmodulin-dependent protein kinase II (CaMKII) with K _i of 0.37 μM, no remarkable inhibitory effects on APK, PKC, MLCK or Ca ²⁺ -PDE activities.	1188890-41-6	Free Base	www.selleckchem.com/products/KN-93-phosphate.html
3653 / 3660 / 3667	L03	S7438	ME0328	10	Epigenetics	PARP	ME0328 is a potent and selective PARP inhibitor with IC ₅₀ of 0.89 μM for PARP3, about 7-fold selectivity over PARP1.	1445251-22-8	free base	http://www.selleckchem.com/products/me0328.html
3653 / 3660 / 3667	L04	S8038	UPF 1069	200	DNA Damage	PARP	UPF 1069 is a selective PARP2 inhibitor with IC ₅₀ of 0.3 μM. It is ~27-fold selective against PARP1.	1048371-03-4	free base	http://www.selleckchem.com/products/upf-1069.html
3653 / 3660 / 3667	L05	S7458	VER-49009	198	Cytoskeletal Signaling	HSP90	VER-49009 is a potent HSP90 inhibitor with IC ₅₀ of 47 nM for HSP90β.	940289-57-6	free base	http://www.selleckchem.com/products/ver-49009.html
3653 / 3660 / 3667	L06	S8050	ETP-46464	12	PI3K/Akt/mTOR	mTOR,ATM/ATR	ETP-46464 is a potent and selective inhibitor of ATR with IC ₅₀ of 25 nM.	1345675-02-6	free base	http://www.selleckchem.com/products/etp-46464.html
3653 / 3660 / 3667	L07	S7482	EHT 1864	100	Cell Cycle	Rho	EHT 1864 is a potent Rac family GTPase inhibitor with K _d of 40 nM, 50 nM, 60 nM and 250 nM for Rac1, Rac1b, Rac2 and Rac3, respectively.	754240-09-0	Salt	www.selleckchem.com/products/eht-1864.html
3653 / 3660 / 3667	L08	S8072	NSC 405020	199	Proteases	MMP	NSC 405020 is a noncatalytic inhibitor of MT1-MMP, directly interacts with PEX domain of MT1-MMP, affects PEX homodimerization but not catalytic activity of MT1-MMP.	7/6/7497	free base	http://www.selleckchem.com/products/nsc-405020.html
3653 / 3660 / 3667	L09	S7499	ESI-09	66	Others	Others	ESI-09 is a specific exchange protein directly activated by cAMP (EPAC) inhibitor with IC ₅₀ of 3.2 μM and 1.4 μM for EPAC1 and EPAC2, respectively, >100-fold selectivity over PKA.	263707-16-0	Free Base	www.selleckchem.com/products/esi-09.html
3653 / 3660 / 3667	L11	S7516	Y-320	21	Others	Others	Y-320 is an orally active immunomodulator, and inhibits IL-17 production by CD4 T cells stimulated with IL-15 with IC ₅₀ of 20 to 60 nM.	288250-47-5	free base	http://www.selleckchem.com/products/y-320.html
3653 / 3660 / 3667	L13	S7529	ML323	76	Ubiquitin	DUB	ML323 is a highly potent and selective USP1-UAF1 inhibitor with IC ₅₀ of 76 nM.	1572414-83-5	Free Base	www.selleckchem.com/products/ml323.html
3653 / 3660 / 3667	L15	S7595	Santacruzamate A (CAY10683)	55	DNA Damage	HDAC	Santacruzamate A (CAY10683) is a potent and selective HDAC inhibitor with IC ₅₀ of 119 pM for HDAC2, >3600-fold selectivity over other HDACs.	1477949-42-0	Free Base	www.selleckchem.com/products/santacruzamate-a-cay10683.html
3653 / 3660 / 3667	L17	S8004	ZM 39923 HCl	81	JAK/STAT	JAK	ZM 39923 is an JAK1/3 inhibitor with pIC ₅₀ of 4.4/7.1, almost no activity to JAK2 and modestly potent to EGFR; also found to be sensitive to transglutaminase.	1021868-92-7	hydrochloride	http://www.selleckchem.com/products/zm-39923-hcl.html
3653 / 3660 / 3667	L19	S8016	TAK-438	134	Transmembrane Transporters	Potassium Channel	TAK-438 is a novel P-CAB (potassium-competitive acid blocker) that reversibly inhibits H ⁺ /K ⁺ , ATPase with IC ₅₀ of 19 nM (pH 6.5), controls gastric acid secretion. Phase 3.	1260141-27-2	fumarate	http://www.selleckchem.com/products/tak-438.html
3653 / 3660 / 3667	L21	S8028	Tariquidar	199	Transmembrane Transporters	P-gp	Tariquidar (XR9576) is a potent and selective noncompetitive inhibitor of P-glycoprotein with K _d of 5.1 nM, reverses drug resistance in MDR cell Lines. Phase 3.	206873-63-4	free base	http://www.selleckchem.com/products/tariquidar.html
3653 / 3660 / 3667	M03	S7097	HSP990 (NVP-HSP990)	75	Cytoskeletal Signaling	HSP (e.g. HSP90)	NVP-HSP990 (HSP990) is a novel, potent and selective HSP90 inhibitor for HSP90α/β with IC ₅₀ of 0.6 nM/0.8 nM.	934343-74-5	Free Base	www.selleckchem.com/products/hsp990-nvp-hsp990.html
3653 / 3660 / 3667	M04	S7258	SKLB1002	21	Protein Tyrosine Kinase	VEGFR	SKLB1002 is a potent and ATP-competitive VEGFR2 inhibitor with IC ₅₀ of 32 nM.	1225451-84-2	free base	http://www.selleckchem.com/products/sklb1002.html
3653 / 3660 / 3667	M05	S7111	NLG919	198	Metabolism	IDO	NLG919 is a potent IDO (indoleamine-(2,3)-dioxygenase) pathway inhibitor with K _i /IC ₅₀ of 7 nM/75 nM.	1402836-58-1	free base	http://www.selleckchem.com/products/nlg919.html
3653 / 3660 / 3667	M06	S7273	SC75741	35	NF-κB	NF-κB	SC75741 is a potent NF-κB inhibitor with EC ₅₀ of 200 nM.	913822-46-5	Free Base	www.selleckchem.com/products/sc75741.html
3653 / 3660 / 3667	M07	S7127	TIC10	28	PI3K/Akt/mTOR	Akt	TIC10 inactivates Akt and ERK to induce TRAIL through Foxo3a, possesses superior drug properties: delivery across the blood-brain barrier, superior stability and improved pharmacokinetics.	41276-02-2	free base	http://www.selleckchem.com/products/tic10.html
3653 / 3660 / 3667	M08	S7291	TAK-632	180	MAPK	Raf	TAK-632 is a potent pan-Raf inhibitor with IC ₅₀ of 8.3 nM and 1.4 nM for B-Raf(wt) and C-Raf, respectively, showing less or no inhibition against other tested kinases.	1228591-30-7	free base	http://www.selleckchem.com/products/tak-632.html
3653 / 3660 / 3667	M09	S7136	CGK 733	179	DNA Damage	ATM/ATR	CGK 733 is a potent and selective inhibitor of ATM/ATR with IC ₅₀ of ~200 nM.	905973-89-9	free base	http://www.selleckchem.com/products/cgk-733.html
3653 / 3660 / 3667	M10	S7304	CPI-203	79	Epigenetics	Epigenetic Reader Do	CPI-203 is a potent BET bromodomain inhibitor with IC ₅₀ of 37 nM for BRD4.	1446144-04-2	Free Base	www.selleckchem.com/products/cpi-203.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3653 / 3660 / 3667	M11	S7147	LDN-212854	199	TGF-beta/Smad	BMP	LDN-212854 is a potent and selective BMP receptor inhibitor with IC50 of 1.3 nM for ALK2, about 2-, 66-, 1641-, and 7135-fold selectivity over ALK1, ALK3, ALK4, and ALK5, respectively.	1432597-26-6	free base	http://www.selleckchem.com/products/ldn-212854.html
3653 / 3660 / 3667	M12	S7325	UNC2881	92	Others	Others	UNC2881 is a specific Mer tyrosine kinase inhibitor with IC50 of 4.3 nM, about 83- and 58-fold selectivity over Axl and Tyro3, respectively.	1493764-08-1	Free Base	www.selleckchem.com/products/unc2881.html
3653 / 3660 / 3667	M13	S7162	Mdivi-1	201	Cytoskeletal Signaling	Dynamin	Mdivi-1 is a selective cell-permeable inhibitor of mitochondrial division DRP1 (dynamin-related GTPase) and mitochondrial division Dynamin I (Dnm1) with IC50 of 1-10 µM.	338967-87-6	free base	http://www.selleckchem.com/products/mdivi-1.html
3653 / 3660 / 3667	M14	S7337	SH-4-54	100	JAK/STAT	STAT	SH-4-54 is a potent STAT inhibitor with KD of 300 nM and 464 nM for STAT3 and STAT5, respectively.	1456632-40-8	Free Base	www.selleckchem.com/products/sh-4-54.html
3653 / 3660 / 3667	M15	S7189	I-BET-762	200	Epigenetics	Epigenetic Reader Domain	I-BET-762 is an inhibitor for BET proteins with IC50 of ~35 nM, suppresses the production of proinflammatory proteins by macrophages and blocks acute inflammation, highly selective over other bromodomain-containing proteins.	1260907-17-2	free base	http://www.selleckchem.com/products/i-bet-762.html
3653 / 3660 / 3667	M16	S7359	K02288	198	TGF-beta/Smad	TGF-beta/Smad	K02288 is a potent, and selective type I BMP receptor inhibitor with IC50 of 1.1, 1.8, 6.4 nM for ALK2, ALK1 and ALK6, showing weaker inhibition on other ALKs (3, 4, 5) and ActRIIA.	1431985-92-0	free base	http://www.selleckchem.com/products/k02288.html
3653 / 3660 / 3667	M17	S7207	Ro 31-8220 Mesylate	180	TGF-beta/Smad	PKC	Ro 31-8220 is a pan-PKC inhibitor with IC50 of 5 nM, 24 nM, 14 nM, 27 nM, and 24 nM for PKC-α, PKC-β, PKC-βII, PKC-γ, and PKC-ε, respectively, and also shows potent inhibition against MAPKAP-K1b, MSK1, GSK3β and SGK1.	138489-18-6	mesylate	http://www.selleckchem.com/products/ro-31-8220-mesylate.html
3653 / 3660 / 3667	M18	S7372	PTC-209	199	Others	BMI	PTC-209 is a potent and selective BMI-1 inhibitor with IC50 of 0.5 µM, and results in irreversible reduction of cancer-initiating cells (CICs).	315704-66-6	free base	http://www.selleckchem.com/products/ptc-209.html
3653 / 3660 / 3667	M19	S7223	RepSox	198	TGF-beta/Smad	TGF-beta/Smad	RepSox is a potent and selective inhibitor of the TGFβR-1/ALK5 with IC50 of 23 nM and 4 nM for ATP binding to ALK5 and ALK5 autophosphorylation, respectively.	446859-33-2	free base	http://www.selleckchem.com/products/repsox.html
3653 / 3660 / 3667	M20	S7392	Loxistatin Acid (E-64C)	197	Proteases	Cysteine protease	Loxistatin Acid (E-64C), a derivative of E-64, is an irreversible and membrane-permeant cysteine protease inhibitor.	76684-89-4	free base	http://www.selleckchem.com/products/loxistatin-acid-e-64c.html
3653 / 3660 / 3667	M21	S7243	Ferrostatin-1 (Fer-1)	198	Metabolism	Ferroptosis	Ferrostatin-1 (Fer-1) is a potent and selective inhibitor of ferroptosis with EC50 of 60 nM.	347174-05-4	free base	http://www.selleckchem.com/products/ferrostatin-1-fer-1.html
3653 / 3660 / 3667	M22	S7424	PD 151746	47	Proteases	Cysteine Protease	PD 151746 is a selective, cell-permeable calpain inhibitor with Ki of 0.26 µM for µ-Calpain, about 20-fold selectivity over m-calpain.	179461-52-0	Free Base	www.selleckchem.com/products/pd-151746.html
3653 / 3660 / 3667	N03	S7440	LEE011	16	Cell Cycle	CDK	LEE011 is an orally available, and highly specific CDK4/6 inhibitor.	1211441-98-3	free base	http://www.selleckchem.com/products/lee011.html
3653 / 3660 / 3667	N04	S8039	PU-H71	100	Cytoskeletal Signaling	HSP (e.g. HSP90)	PU-H71 is a potent and selective inhibitor of HSP90 with IC50 of 51 nM. Phase 1.	873436-91-0	Free Base	www.selleckchem.com/products/pu-h71.html
3653 / 3660 / 3667	N05	S7459	VER-50589	77	Cytoskeletal Signaling	HSP (e.g. HSP90)	VER-50589 is a potent HSP90 inhibitor with IC50 of 21 nM for HSP90β.	747413-08-7	Free Base	www.selleckchem.com/products/ver-50589.html
3653 / 3660 / 3667	N06	S8051	Macitentan	169	GPCR & G Protein	Endothelin Receptor	Macitentan (Actelion-1, ACT-064992) is an orally active, non-peptide, dual ETA/ETB (endothelin) receptor antagonist with IC50 of 0.5 nM/391 nM. Phase 3.	441798-33-0	free base	https://www.selleckchem.com/products/macitentan.html
3653 / 3660 / 3667	N07	S7484	FH535	72	Stem Cells & Wnt	Wnt/beta-catenin	FH535 is a Wnt/β-catenin signaling inhibitor and also a dual PPARγ and PPARδ antagonist.	108409-83-2	Free Base	www.selleckchem.com/products/fh535.html
3653 / 3660 / 3667	N08	S8073	Optovin	63	Others	Others	Optovin is a reversible photoactivated TRPA1 activator.	348575-88-2	Free Base	www.selleckchem.com/products/optovin.html
3653 / 3660 / 3667	N09	S7500	HJC0350	52	Others	Others	HJC0350 is a potent and selective EPAC2 inhibitor with IC50 of 0.3 µM, exhibiting no inhibition on Epac1.	885434-70-8	Free Base	www.selleckchem.com/products/hjc0350.html
3653 / 3660 / 3667	N11	S7517	AZD7545	198	Others	PDHK	AZD7545 is a potent PDHK inhibitor with IC50 of 36.8 nM and 6.4 nM for PDHK1 and PDHK2, respectively.	252017-04-2	free base	http://www.selleckchem.com/products/azd7545.html
3653 / 3660 / 3667	N13	S7534	BAPTA-AM	20	Others	Others	BAPTA-AM is a selective, membrane-permeable calcium chelator.	126150-97-8	Free Base	www.selleckchem.com/products/bapta-am.html
3653 / 3660 / 3667	N15	S7597	BV-6	100	Apoptosis	IAP	BV-6 is a SMAC mimetic, dual cIAP and XIAP inhibitor.	1001600-56-1	Free Base	www.selleckchem.com/products/bv-6.html
3653 / 3660 / 3667	N17	S8005	SMI-4a	201	JAK/STAT	Pim	SMI-4a is a potent inhibitor of Pim1 with IC50 of 17 nM, modest potent to Pim-2, does not significantly inhibit other serine/threonine- or tyrosine-kinases.	438190-29-5	free base	http://www.selleckchem.com/products/smi-4a.html
3653 / 3660 / 3667	N19	S8019	AZD5363	200	PI3K/Akt/mTOR	Akt	AZD5363 potently inhibits all isoforms of Akt(Akt1/Akt2/Akt3) with IC50 of 3 nM/8 nM/8 nM, similar to P70S6K/PKA and lower activity towards ROCK1/2. Phase 1/2.	1143532-39-1	free base	http://www.selleckchem.com/products/azd5363.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3653 / 3660 / 3667	N21	S8029	WY-14643 (Pirinixic Acid)	200	Metabolism	PPAR	WY 14643 (Pirinixic Acid) is a potent peroxisome proliferator and activator of PPAR α with EC50 of 1.5 μ M.	50892-23-4	free base	http://www.selleckchem.com/products/wy-14643-pirinixic-acid.html
3653 / 3660 / 3667	O03	S7098	PD123319	196	Endocrinology & Hormones	RAAS	PD 123319 is a potent, selective AT2 angiotensin II receptor antagonist with IC50 of 34 nM.	130663-39-7	free base	http://www.selleckchem.com/products/pd123319.html
3653 / 3660 / 3667	O04	S7261	Beta-Lapachone	198	DNA Damage	Topoisomerase	Beta-Lapachone is a selective DNA topoisomerase I inhibitor, exhibiting no inhibitory activities against DNA topoisomerase II or ligase. Phase 2.	4707-32-8	free base	http://www.selleckchem.com/products/beta-lapachone.html
3653 / 3660 / 3667	O05	S7113	Zebularine	201	Epigenetics	DNA Methyltransferase	Zebularine is a DNA methylation inhibitor that forms a covalent complex with DNA methyltransferases, also inhibits cytidinedeaminase with Ki of 2 μ M.	10/6/3690	free base	https://www.selleckchem.com/products/zebularine.html
3653 / 3660 / 3667	O06	S7276	SGI-1027	199	Epigenetics	DNA Methyltransferase	SGI-1027 is a DNMT inhibitor with IC50 of 6, 8, 7.5 μ M for DNMT1, DNMT3A, and DNMT3B	1020149-73-8	free base	http://www.selleckchem.com/products/sgi-1027.html
3653 / 3660 / 3667	O07	S7128	EPZ-6438	50	Epigenetics	Histone Methyltransferase	EPZ-6438 is a potent, and selective EZH2 inhibitor with Ki and IC50 of 2.5 nM and 11 nM, exhibiting a 35-fold selectivity versus EZH1 and >4,500-fold selectivity relative to 14 other HMTs.	1403254-99-8	free base	http://www.selleckchem.com/products/epz-6438.html
3653 / 3660 / 3667	O08	S7292	RG2833 (RGFP109)	200	Epigenetics	HDAC	RG2833 (RGFP109) is a brain-penetrant HDAC inhibitor with IC50 of 60 nM and 50 nM for HDAC1 and HDAC3, respectively.	1215493-56-3	free base	http://www.selleckchem.com/products/rg2833-rgfp109.html
3653 / 3660 / 3667	O09	S7138	BMS-833923	200	GPCR & G Protein	Hedgehog/Smoothened	BMS-833923 is an orally bioavailable Smoothened antagonist. Phase 2.	1059734-66-5	free base	http://www.selleckchem.com/products/bms-833923.html
3653 / 3660 / 3667	O10	S7307	GSK2606414	90	Apoptosis	PERK	GSK2606414 is an orally available, potent, and selective PERK inhibitor with IC50 of 0.4 nM, displaying at least 100-fold selectivity over the other EIF2AKs assayed.	1337531-36-8	Free Base	www.selleckchem.com/products/gsk2606414.html
3653 / 3660 / 3667	O11	S7148	ML347	28	TGF-beta/Smad	BMP	ML347 is a selective BMP receptor inhibitor with IC50 of 32 nM for ALK2, >300-fold selectivity over ALK3. Also inhibits ALK1 activity with IC50 of 46 nM.	1062368-49-3	free base	http://www.selleckchem.com/products/ml347.html
3653 / 3660 / 3667	O12	S7326	Tasisulam	199	Apoptosis	Caspase	Tasisulam is an antitumor agent and an apoptosis inducer via the intrinsic pathway. Phase 3	519055-62-0	free base	http://www.selleckchem.com/products/tasisulam.html
3653 / 3660 / 3667	O13	S7165	UNC1999	175	Epigenetics	Histone Methyltransferase	UNC1999 is a potent, orally bioavailable and selective inhibitor of EZH2 and EZH1 with IC50 of 2 nM and 45 nM, respectively, showing >1000-fold selectivity over a broad range of epigenetic and non-epigenetic targets.	1431612-23-5	free base	http://www.selleckchem.com/products/unc1999.html
3653 / 3660 / 3667	O14	S7338	AZ191	200	Others	Others	AZ191 is a potent and selective DYRK1B inhibitor with IC50 of 17 nM, about 5- and 110-fold selectivity over DYRK1A and DYRK2, respectively.	N/A	free base	http://www.selleckchem.com/products/az191.html
3653 / 3660 / 3667	O15	S7192	PF-04620110	49	Metabolism	Transferase	PF-04620110 is an orally active, selective and potent diglyceride acyltransferase-1 (DGAT1) inhibitor with IC50 of 19 nM.	1109276-89-2	Free Base	www.selleckchem.com/products/pf-04620110.html
3653 / 3660 / 3667	O16	S7360	OTX015	199	Epigenetics	BET	OTX015 is a potent BET bromodomain inhibitor with EC50 ranging from 10 to 19 nM for BRD2, BRD3, and BRD4. Phase 1.	202590-98-5	free base	http://www.selleckchem.com/products/otx015.html
3653 / 3660 / 3667	O17	S7208	GF109203X	82	TGF-beta/Smad	PKC	GF109203X is a potent PKC inhibitor with IC50 of 20 nM, 17 nM, 16 nM, and 20 nM for PKC α , PKC β I, PKC β II, and PKC γ , respectively, showing more than 3000-fold selectivity for PKC as compared to EGFR, PDGFR and insulin receptor.	133052-90-1	Free Base	www.selleckchem.com/products/gf109203x.html
3653 / 3660 / 3667	O18	S7373	UNC669	32	Epigenetics	MBT	UNC669 is a potent and selective MBT (malignant brain tumor) inhibitor with IC50 of 6 μ M for L3MBTL1, 5- and 11-fold selective over L3MBTL3 and L3MBTL4.	1314241-44-5	free base	http://www.selleckchem.com/products/unc669.html
3653 / 3660 / 3667	O19	S7224	Deltarasin	100	Metabolism	PDE	Deltarasin is a small molecular inhibitor of KRAS-PDE δ interaction with Kd of 38 nM for binding to purified PDE δ .	1440898-61-2	Free Base	www.selleckchem.com/products/deltarasin.html
3653 / 3660 / 3667	O20	S7393	Aloxistatin	198	Proteases	Cysteine protease	Aloxistatin is an irreversible and membrane-permeable cysteine protease inhibitor.	88321-09-9	free base	http://www.selleckchem.com/products/Aloxistatin.html
3653 / 3660 / 3667	O21	S7248	Ro3280	100	Cell Cycle	PLK	RO3280 is a potent, highly selective inhibitor of Polo-like kinase 1 (PLK1) with IC50 of 3 nM.	1062243-51-9	Free Base	www.selleckchem.com/products/ro3280.html
3653 / 3660 / 3667	O22	S7429	MI-2 (MALT1 inhibitor)	91	Others	Others	MI-2 (MALT1 inhibitor) is an irreversible MALT1 inhibitor with IC50 of 5.84 μ M.	1047953-91-2	Free Base	www.selleckchem.com/products/mi-2-malt1-inhibitor.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3653 / 3660 / 3667	P03	S7447	ZLN005	147	Others	Others	ZLN005 is a potent and tissue-specific PGC-1 α transcriptional activator.	49671-76-3	free base	http://www.selleckchem.com/products/ZLN005.html
3653 / 3660 / 3667	P04	S8040	GDC-0349	201	PI3K/Akt/mTOR	mTOR	GDC-0349 is a potent and selective ATP-competitive inhibitor of mTOR with Ki of 3.8 nM, 790-fold inhibitory effect against PI3K α and other 266 kinases. Phase 1.	1207360-89-1	free base	https://www.selleckchem.com/products/gdc-0349.html
3653 / 3660 / 3667	P05	S7460	BTB06584	201	Transmembrane Transporters	Fo-ATPase	BTB06584 is an IF1-dependent, selective inhibitor of the mitochondrial F1 Fo-ATPase.	219793-45-0	free base	http://www.selleckchem.com/products/btb06584.html
3653 / 3660 / 3667	P06	S8056	Lomeguatrib	199	Epigenetics	DNA Methyltransferase	Lomeguatrib is a potent inhibitor of O6-alkylguanine-DNA-alkyltransferase with IC50 of 5 nM.	192441-08-0	free base	http://www.selleckchem.com/products/lomeguatrib.html
3653 / 3660 / 3667	P07	S7488	MPI-0479605	152	Cytoskeletal Signaling	Kinesin	MPI-0479605 is an ATP competitive and selective inhibitor of mitotic kinase Mps1 with IC50 of 1.8 nM, >40-fold selectivity over other kinases.	1246529-32-7	free base	http://www.selleckchem.com/products/mpi-0479605.html
3653 / 3660 / 3667	P08	S8076	PluriSIn #1 (NSC 14613)	201	Metabolism	Dehydrogenase	PluriSIn #1 is an inhibitor of the stearoyl-coA desaturase 1 (SCD1), which is able to selectively eliminate hPSCs.	91396-88-2	free base	http://www.selleckchem.com/products/PluriSIn-1-nsc-14613.html
3653 / 3660 / 3667	P09	S7501	HO-3867	13	JAK/STAT	STAT	HO-3867, an analog of curcumin, is a selective STAT3 inhibitor.	1172133-28-6	Free Base	www.selleckchem.com/products/ho-3867.html
3653 / 3660 / 3667	P11	S7518	Voreloxin (SNS-595)	20	DNA Damage	Topoisomerase	Voreloxin is a potent Topoisomerase II inhibitor with broad-spectrum anti-tumor activity. Phase 2.	175414-77-4	Free Base	www.selleckchem.com/products/voreloxin-sns-595.html
3653 / 3660 / 3667	P13	S7539	PTC-209 HBr	100	Others	Others	PTC-209 HBr is the hydrobromide salt of PTC-209, which is a potent and selective BMI-1 inhibitor with IC50 of 0.5 μ M, and results in irreversible reduction of cancer-initiating cells (CICs).	1217022-63-3	Free Base	www.selleckchem.com/products/ptc-209-hbr.html
3653 / 3660 / 3667	P15	S7605	Filgotinib (GLPG0634)	85	JAK/STAT	JAK	Filgotinib (GLPG0634) is a selective JAK1 inhibitor with IC50 of 10 nM, 28 nM, 810 nM, and 116 nM for JAK1, JAK2, JAK3, and TYK2, respectively. Phase 2.	1206161-97-8	Free Base	www.selleckchem.com/products/filgotinib.html
3653 / 3660 / 3667	P17	S8006	BIX 01294	163	Epigenetics	Histone Methyltransferase	BIX01294 is an inhibitor of G9a histone methyltransferase with IC50 of 2.7 μ M, reduces H3K9me2 of bulk histones, also weakly inhibits GLP (primarily H3K9me3), no significant activity observed at other histone methyltransferases.	1392399-03-9	hydrochloride	http://www.selleckchem.com/products/bix-01294.html
3653 / 3660 / 3667	P19	S8020	GW0742	199	Metabolism	PPAR	GW0742 is a potent and highly selective PPAR β/δ agonist, with IC50 of 1 nM, with 1000-fold selectivity over hPPAR α and hPPAR γ .	317318-84-6	free base	http://www.selleckchem.com/products/gw0742.html
3653 / 3660 / 3667	P21	S8031	NSC 23766	199	Cell Cycle	Rac	NSC 23766 is an inhibitor of Rac GTPase targeting Rac activation by guanine nucleotide exchange factors (GEFs) with IC50 of ~50 μ M; does not inhibit the closely related targets, Cdc42 or RhoA.	1177865-17-6	hydrochloride	http://www.selleckchem.com/products/nsc-23766.html
3654 / 3661 / 3668	A03	S1001	ABT-263 (Navitoclax)	102	Apoptosis	Bcl-2	ABT-263 (Navitoclax) is a potent inhibitor of Bcl-xL, Bcl-2 and Bcl-w with Ki of \leq 0.5 nM, \leq 1 nM and \leq 1 nM, but binds more weakly to Mcl-1 and A1. Phase 1/2.	923564-51-6	free base	http://www.selleckchem.com/products/ABT-263.html
3654 / 3661 / 3668	A04	S1107	Danuseritib (PHA-739358)	200	Cell Cycle	c-RET, FGFR, Bcr-Abl, Aurora Kinase	Danuseritib (PHA-739358) is an Aurora kinase inhibitor for Aurora A/B/C with IC50 of 13 nM/79 nM/61 nM, modestly potent to Abl, TrkA, c-RET and FGFR1, and less potent to Lck, VEGFR2/3, c-Kit, CDK2, etc. Phase 2.	827318-97-8	free base	http://www.selleckchem.com/products/PHA-739358(Danuseritib).html
3654 / 3661 / 3668	A05	S1010	Nintedanib (BIBF 1120)	11	Protein Tyrosine Kinase	VEGFR, PDGFR, FGFR	Nintedanib (BIBF 1120) is a potent triple angiokinase inhibitor for VEGFR1/2/3, FGFR1/2/3 and PDGFR α/β with IC50 of 34 nM/13 nM/13 nM, 69 nM/37 nM/108 nM and 59 nM/65 nM. Phase 3.	656247-17-5	free base	http://www.selleckchem.com/products/BIBF1120.html
3654 / 3661 / 3668	A06	S1116	Palbociclib (PD-0332991) HCl	10	Cell Cycle	CDK	PD0332991 is a highly selective inhibitor of CDK4/6 with IC50 of 11 nM/16 nM. It shows no activity against CDK1/2/5, EGFR, FGFR, PDGFR, InsR, etc. Phase 2/3.	827022-32-2	hydrochloride	http://www.selleckchem.com/products/PD-0332991.html
3654 / 3661 / 3668	A07	S1025	Gefitinib (ZD1839)	199	Protein Tyrosine Kinase	EGFR	Gefitinib (ZD-1839) is an EGFR inhibitor for Tyr1173, Tyr992, Tyr1173 and Tyr992 in the NR6wtEGFR and NR6W cells with IC50 of 37 nM, 37nM, 26 nM and 57 nM, respectively.	184475-35-2	free base	http://www.selleckchem.com/products/Gefitinib.html
3654 / 3661 / 3668	A08	S1130	YM155 (Sepantronium Bromide)	124	Apoptosis	Survivin	YM155 is a potent survivin suppressant by inhibiting Survivin promoter activity with IC50 of 0.54 nM; does not significantly inhibit SV40 promoter activity, but is observed to slightly inhibit the interaction of Survivin with XIAP. Phase 1/2.	781661-94-7	bromide	http://www.selleckchem.com/products/YM155.html
3654 / 3661 / 3668	A09	S1035	Pazopanib HCl (GW786034 HCl)	35	Protein Tyrosine Kinase	VEGFR, PDGFR, c-Kit	Pazopanib (GW786034) is a novel multi-target inhibitor of VEGFR1, VEGFR2, VEGFR3, PDGFR, FGFR, c-Kit and c-Fms with IC50 of 10 nM, 30 nM, 47 nM, 84 nM, 74 nM, 140 nM and 146 nM, respectively.	635702-64-6	hydrochloride	http://www.selleckchem.com/products/Pazopanib-Hydrochloride.html
3654 / 3661 / 3668	A10	S1142	17-DMAG (Alvespimycin) HCl	200	Cytoskeletal Signaling	HSP (e.g. HSP90)	17-DMAG is a potent, water-soluble HSP90 inhibitor with IC50 of 62 nM.	467214-21-7	hydrochloride	http://www.selleckchem.com/products/17-DMAG-Hydrochloride-Salt.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3654 / 3661 / 3668	A11	S1044	Temsirolimus (CCI-779, NSC 683864)	72	PI3K/Akt/mTOR	mTOR	Temsirolimus (CCI-779) is a specific mTOR inhibitor with IC50 of 1.76 μ M.	162635-04-3	free base	http://www.selleckchem.com/products/Temsirolimus.html
3654 / 3661 / 3668	A12	S1154	SNS-314 Mesylate	199	Cell Cycle	Aurora Kinase	SNS-314 Mesylate is a potent and selective inhibitor of Aurora A, Aurora B and Aurora C with IC50 of 9 nM, 31 nM, and 3 nM, respectively. It is less potent to Trk A/B, Flt4, Fms, Axl, c-Raf and DDR2. Phase 1.	1146618-41-8	mesylate	http://www.selleckchem.com/products/SNS-314.html
3654 / 3661 / 3668	A13	S1055	Enzastaurin (LY317615)	58	TGF-beta/Smad	PKC	Enzastaurin (LY317615) is a potent PKC β selective inhibitor with IC50 of 6 nM, 6- to 20-fold selectivity against PKC α , PKC γ and PKC ϵ . Phase 3.	170364-57-5	free base	http://www.selleckchem.com/products/Enzastaurin.html
3654 / 3661 / 3668	A14	S1164	Lenvatinib (E7080)	93	Protein Tyrosine Kinase	VEGFR	E7080 (Lenvatinib) is a multi-target inhibitor, mostly for VEGFR2(KDR)/VEGFR3(Flt-4) with IC50 of 4 nM/5.2 nM, less potent against VEGFR1/Flt-1, ~10-fold more selective for VEGFR2/3 against FGFR1, PDGFR α/β . Phase 3.	417716-92-8	free base	http://www.selleckchem.com/products/E7080.html
3654 / 3661 / 3668	A15	S1068	Crizotinib (PF-02341066)	19	Protein Tyrosine Kinase	c-Met,ALK	PF-2341066 (Crizotinib) is a potent inhibitor of c-Met and ALK with IC50 of 11 nM and 24 nM, respectively.	877399-52-5	free base	http://www.selleckchem.com/products/PF-2341066.html
3654 / 3661 / 3668	A16	S1172	JNJ-26854165 (Serdemetan)	200	Apoptosis	p53,E3 Ligase	JNJ-26854165 acts as a HDM2 ubiquitin ligase antagonist and also induces early apoptosis in p53 wild-type cells, inhibits cellular proliferation followed by delayed apoptosis in the absence of functional p53. Phase 1.	881202-45-5	free base	http://www.selleckchem.com/products/JNJ-26854165.html
3654 / 3661 / 3668	A17	S1078	MK-2206 2HCl	29	PI3K/Akt/mTOR	Akt	MK-2206 2HCl is a highly selective inhibitor of Akt1/2/3 with IC50 of 8 nM/12 nM/65 nM, respectively; no inhibitory activities against 250 other protein kinases observed. Phase 2.	1032350-13-2	dihydrochloride	http://www.selleckchem.com/products/MK-2206.html
3654 / 3661 / 3668	A18	S1181	ENMD-2076	279	Angiogenesis	Aurora Kinase,FLT3,VEGFR	ENMD-2076 has selective activity against Aurora A and Flt3 with IC50 of 14 nM and 1.86 nM, 25-fold selective for Aurora A than over Aurora B and less potent to VEGFR2/KDR and VEGFR3, FGFR1 and FGFR2 and PDGFR α . Phase 2.	934353-76-1	tartaric acid	http://www.selleckchem.com/products/ENMD-2076.html
3654 / 3661 / 3668	A19	S1090	PCI-24781 (Abexinostat)	201	Cytoskeletal Signaling	HDAC	PCI-24781 is a novel pan-HDAC inhibitor mostly targeting HDAC1 with Ki of 7 nM, modest potent to HDACs 2, 3, 6, and 10 and greater than 40-fold selectivity against HDAC8. Phase 1/2.	783355-60-2	free base	http://www.selleckchem.com/products/PCI-24781.html
3654 / 3661 / 3668	A20	S1193	Thalidomide	201	Apoptosis	TNF-alpha,E3 Ligase	Thalidomide was introduced as a sedative drug, immunomodulatory agent and also is investigated for treating symptoms of many cancers. Thalidomide inhibits an E3 ubiquitin ligase, which is a CRBN-DDB1-CuI4A complex.Phase 3.	50-35-1	free base	http://www.selleckchem.com/products/Thalidomide.html
3654 / 3661 / 3668	A21	S1098	Rucaparib (AG-014699,PF-01367338)	199	DNA Damage	PARP	Rucaparib (AG-014699, PF-01367338) is an inhibitor of PARP with Ki of 1.4 nM for PARP1, also showing binding affinity to eight other PARP domains. Phase 1/2.	459868-92-9	phosphate	http://www.selleckchem.com/products/AG-014699.html
3654 / 3661 / 3668	A22	S1204	Melatonin	202	Others	Others	Melatonin is a hormone produced in the brain by the pineal gland from the amino acid tryptophan.	73-31-4	free base	http://www.selleckchem.com/products/Melatonin.html
3654 / 3661 / 3668	B03	S1213	Nelarabine	201	DNA Damage	DNA/RNA Synthesis	Nelarabine is a purine nucleoside analog and DNA synthesis inhibitor with IC50 from 0.067-2.15 μ M in tumor cells.	121032-29-9	free base	http://www.selleckchem.com/products/Arranon.html
3654 / 3661 / 3668	B04	S1393	Pirarubicin	159	DNA Damage	Topoisomerase	Pirarubicin is an anthracycline agent.	72496-41-4	free base	http://www.selleckchem.com/products/Pirarubicin.html
3654 / 3661 / 3668	B05	S1226	KU-0063794	34	PI3K/Akt/mTOR	mTOR	KU-0063794 is a potent and highly specific dual-mTOR inhibitor of mTORC1 and mTORC2 with IC50 of ~10 nM; no effect on PI3Ks.	938440-64-3	free base	http://www.selleckchem.com/products/KU-0063794.html
3654 / 3661 / 3668	B06	S1407	Bimatoprost	86	Others	Others	Bimatoprost is a prostaglandin analog used topically (as eye drops) to control the progression of glaucoma and in the management of ocular hypertension.	155206-00-1	free base	http://www.selleckchem.com/products/Bimatoprost.html
3654 / 3661 / 3668	B07	S1243	Agomelatine	201	Neuronal Signaling	5-HT Receptor	Agomelatine is classified as a norepinephrine-dopamine disinhibitor (NDDI) due to its antagonism of the 5-HT2C receptor.	138112-76-2	free base	http://www.selleckchem.com/products/Agomelatine.html
3654 / 3661 / 3668	B08	S1431	Sildenafil Citrate	34	Metabolism	PDE	Sildenafil, a selective inhibitor of cyclic guanosine monophosphate (cGMP)-specific phosphodiesterase type 5 (PDE5), is a well-tolerated and highly effective treatment for erectile dysfunction.	171599-83-0	citrate	http://www.selleckchem.com/products/Sildenafil-citrate.html
3654 / 3661 / 3668	B09	S1257	Posaconazole	199	Others	Others	Posaconazole is a sterol C14 α demethylase inhibitor with an IC50 of 0.25 nM.	171228-49-2	free base	http://www.selleckchem.com/products/Posaconazole.html
3654 / 3661 / 3668	B10	S1453	Tipifarnib	28	Metabolism	Transferase	Tipifarnib (R115777) is a potent and specific farnesyltransferase (FTase) inhibitor with IC50 of 0.6 nM, its anti-proliferative effects are most prominent in H-ras or N-ras mutant cells. Phase 3.	192185-72-1	free base	http://www.selleckchem.com/products/Tipifarnib(R115777).html
3654 / 3661 / 3668	B11	S1271	Acarbose	199	Others	Others	Acarbose is an anti-diabetic drug used to treat type 2 diabetes mellitus and, in some countries, prediabetes.	56180-94-0	free base	http://www.selleckchem.com/products/Acarbose.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3654 / 3661 / 3668	B12	S1462	AZD6482	200	PI3K/Akt/mTOR	PI3K	AZD6482 is a PI3K β inhibitor with IC50 of 10 nM, 8-, 87- and 109-fold more selective to PI3K β than PI3K δ , PI3K α and PI3K γ . Phase 1.	1173900-33-8	free base	http://www.selleckchem.com/products/azd6482.html
3654 / 3661 / 3668	B13	S1287	Bumetanide	200	Others	Others	Bumetanide (Bumex) is a loop diuretic of the sulfamyl category to treat heart failure.	28395-03-1	free base	http://www.selleckchem.com/products/Bumetanide.html
3654 / 3661 / 3668	B14	S1476	SB525334	200	TGF-beta/Smad	TGF-beta/Smad	SB525334 is a potent and selective inhibitor of TGF β receptor I (ALK5) with IC50 of 14.3 nM, is 4-fold less potent to ALK4 than ALK5 and inactive to ALK2, 3, and 6.	356559-20-1	free base	http://www.selleckchem.com/products/SB-525334.html
3654 / 3661 / 3668	B15	S1302	Ifosfamide	199	DNA Damage	DNA/RNA Synthesis	Ifosfamide is a nitrogen mustard alkylating agent used in the treatment of cancer.	3778-73-2	free base	http://www.selleckchem.com/products/Ifosfamide.html
3654 / 3661 / 3668	B16	S1487	PHA-793887	199	Cell Cycle	CDK	PHA-793887 is a novel and potent inhibitor of CDK2, CDK5 and CDK7 with IC50 of 8 nM, 5 nM and 10 nM. It is greater than 6-fold more selective for CDK2, 5, and 7 than CDK1, 4, and 9. Phase 1.	718630-59-2	free base	http://www.selleckchem.com/products/PHA-793887.html
3654 / 3661 / 3668	B17	S1336	Fluvoxamine maleate	200	Neuronal Signaling	5-HT Receptor	Fluvoxamine maleate is a selective serotonin (5-HT) reuptake inhibitor (SSRI).	61718-82-9	maleate	http://www.selleckchem.com/products/Fluvoxamine-maleate.html
3654 / 3661 / 3668	B18	S1502	Cephalexin	10	Others	Others	Cefalexin is a cephalosporin antibiotic.	15686-71-2	free base	http://www.selleckchem.com/products/Cephalexin-(Cefalexin).html
3654 / 3661 / 3668	B19	S1363	Ki8751	100	Protein Tyrosine Kinase	PDGFR,c-Kit,VEGFR	Ki8751 is a potent and selective inhibitor of VEGFR2 with IC50 of 0.9 nM, >40-fold selective for VEGFR2 than c-Kit, PDGFR α and FGFR-2, little activity to EGFR, HGFR and InsR.	228559-41-9	free base	http://www.selleckchem.com/products/Ki8751.html
3654 / 3661 / 3668	B20	S1519	CCT129202	10	Cell Cycle	Aurora Kinase	CCT129202 is an ATP-competitive pan-Aurora inhibitor for Aurora A, Aurora B and Aurora C with IC50 of 0.042 μ M, 0.198 μ M and 0.227 μ M, respectively. It is less potent to FGFR3, GSK3 β , PDGFR β , etc.	942947-93-5	free base	http://www.selleckchem.com/products/CCT129202.html
3654 / 3661 / 3668	B21	S1379	Isotretinoin	199	Metabolism	Hydroxylase	It was developed to be used as a chemotherapy medication for the treatment of brain cancer, pancreatic cancer and more.	4759-48-2	free base	http://www.selleckchem.com/products/Isotretinoin.html
3654 / 3661 / 3668	B22	S1531	BIX 02189	199	MAPK	MEK	BIX02189 is a selective inhibitor of MEK5 with IC50 of 1.5 nM, also inhibits ERK5 catalytic activity with IC50 of 810 nM, and does not inhibit closely related kinases MEK1, MEK2, ERK2, and JNK2.	1094614-85-3	free base	http://www.selleckchem.com/products/BIX-02189.html
3654 / 3661 / 3668	C03	S1002	ABT-737	122	Apoptosis	Autophagy,Bcl-2	ABT-737 is a BH3 mimetic inhibitor of Bcl-xL, Bcl-2 and Bcl-w with EC50 of 78.7 nM, 30.3 nM and 197.8 nM, respectively; no inhibition observed against Mcl-1, Bcl-B or Bfl-1. Phase 2.	852808-04-9	free base	http://www.selleckchem.com/products/ABT-737.html
3654 / 3661 / 3668	C04	S1109	BI 2536	40	Cell Cycle	PLK	BI2536 is a potent Plk1 inhibitor with IC50 of 0.83 nM. It shows 4- and 11-fold greater selectivity against Plk2 and Plk3. Phase 2.	755038-02-9	free base	http://www.selleckchem.com/products/BI-2536.html
3654 / 3661 / 3668	C05	S1012	BMS-536924	96	Protein Tyrosine Kinase	IGF-1R	BMS-536924 is an ATP-competitive IGF-1R/IR inhibitor with IC50 of 100 nM/73 nM, modest activity for Mek, Fak, and Lck with very little activity for Akt1, MAPK1/2.	468740-43-4	Free Base	www.selleckchem.com/products/BMS-536924.html
3654 / 3661 / 3668	C06	S1117	Triciribine	199	PI3K/Akt/mTOR	Akt	Triciribine is a DNA synthesis inhibitor, also inhibits Akt and HIV-1 with IC50 of 130 nM and 20 nM, respectively; does not inhibit PI3K/PDK1; 5000-fold less active in cells lacking adenosine kinase. Phase 1/2.	35943-35-2	free base	http://www.selleckchem.com/products/Triciribine.html
3654 / 3661 / 3668	C07	S1026	Imatinib Mesylate (STI571)	200	Protein Tyrosine Kinase	c-Kit,Bcr-Abl,PDGFR	Imatinib Mesylate (STI571) is an orally bioavailability mesylate salt of Imatinib, which is a multi-target inhibitor of v-Abl, c-Kit and PDGFR with IC50 of 0.6 μ M, 0.1 μ M and 0.1 μ M, respectively.	220127-57-1	mesylate	http://www.selleckchem.com/products/Imatinib-Mesylate.html
3654 / 3661 / 3668	C08	S1132	INO-1001	198	DNA Damage	PARP	INO-1001 is a potent inhibitor of PARP with IC50 of <50 nM in CHO cells and a mediator of oxidant-induced myocyte dysfunction during reperfusion. Phase 2.	3544-24-9	free base	http://www.selleckchem.com/products/INO-1001.html
3654 / 3661 / 3668	C09	S1036	PD0325901	199	MAPK	MEK	PD0325901 (PD325901) is selective and non ATP-competitive MEK inhibitor with IC50 of 0.33 nM, roughly 500-fold more potent than Cl-1040 on phosphorylation of ERK1 and ERK2. Phase 1/2.	391210-10-9	free base	http://www.selleckchem.com/products/PD-0325901.html
3654 / 3661 / 3668	C10	S1143	AG-490 (Tyrphostin B42)	200	Protein Tyrosine Kinase	JAK,EGFR	AG-490 (Tyrphostin B42) is an inhibitor of EGFR with IC50 of 0.1 μ M, 135-fold more selective for EGFR versus ErbB2, also inhibits JAK2 with no activity to Lck, Lyn, Btk, Syk and Src.	133550-30-8	free base	http://www.selleckchem.com/products/AG-490.html
3654 / 3661 / 3668	C11	S1045	Trichostatin A (TSA)	76	Epigenetics	HDAC	Trichostatin A (TSA) is an HDAC inhibitor with IC50 of ~1.8 nM – HDAC8 is the only known member of the HDAC-family that is not affected by TSA. Phase 3.	58880-19-6	free base	http://www.selleckchem.com/products/Trichostatin-A.html
3654 / 3661 / 3668	C12	S1155	S3I-201	199	JAK/STAT	STAT	S3I-201 shows potent inhibition of STAT3 DNA-binding activity with IC50 of 86 μ M, and low activity towards STAT1 and STAT5.	501919-59-1	free base	http://www.selleckchem.com/products/S3I-201.html
3654 / 3661 / 3668	C13	S1056	AC480 (BMS-599626)	199	Protein Tyrosine Kinase	HER2,EGFR	AC480 (BMS-599626) is a selective and efficacious inhibitor of HER1 and HER2 with IC50 of 20 nM and 30 nM, ~8-fold less potent to HER4, >100-fold to VEGFR2, c-Kit, Lck, MET etc. Phase 1.	714971-09-2	free base	http://www.selleckchem.com/products/BMS-599626.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3654 / 3661 / 3668	C14	S1165	ABT-751 (E7010)	199	Cytoskeletal Signaling	Microtubule Associated	ABT-751 (E7010) binds to the colchicine site on β -tubulin and inhibits polymerization of microtubules, not a substrate for the MDR transporter and is active against cell lines resistant to vincristine, doxorubicin, and cisplatin. Phase 1/2.	141430-65-1	free base	http://www.selleckchem.com/products/ABT-751.html
3654 / 3661 / 3668	C15	S1069	AUY922 (NVP-AUY922)	199	Cytoskeletal Signaling	HSP (e.g. HSP90)	AUY922 (NVP-AUY922) is a highly potent HSP90 inhibitor for HSP90 α/β with IC50 of 13 nM /21 nM, weaker potency against the HSP90 family members GRP94 and TRAP-1, exhibits the tightest binding of any small-molecule HSP90 ligand. Phase 1/2.	747412-49-3	free base	http://www.selleckchem.com/products/NVP-AUY922.html
3654 / 3661 / 3668	C16	S1173	WZ4002	26	Protein Tyrosine Kinase	EGFR	WZ4002 is a novel, mutant-selective EGFR inhibitor for EGFR(L858R)/(T790M) with IC50 of 2 nM/8 nM; does not inhibit ERBB2 phosphorylation (T798L).	1213269-23-8	free base	http://www.selleckchem.com/products/WZ4002.html
3654 / 3661 / 3668	C17	S1080	SU11274	161	Protein Tyrosine Kinase	c-Met	SU11274 is a selective Met inhibitor with IC50 of 10 nM, no effects on PGDFR β , EGFR or Tie2.	658084-23-2	free base	http://www.selleckchem.com/products/SU11274.html
3654 / 3661 / 3668	C18	S1183	Danoprevir (ITMN-191)	196	Proteases	HCV Protease	Danoprevir(ITMN-191) is a peptidomimetic inhibitor of the NS3/4A protease of hepatitis C virus (HCV) with IC50 of 0.2-3.5 nM, inhibition effect for HCV genotypes 1A/1B/4/5/6 is ~10-fold higher than 2B/3A. Phase 2.	850876-88-9	free base	http://www.selleckchem.com/products/Danoprevir.html
3654 / 3661 / 3668	C19	S1091	OSI-906 (Linsitinib)	199	Protein Tyrosine Kinase	IGF-1R	OSI-906 (Linsitinib) is a selective inhibitor of IGF-1R with IC50 of 35 nM; modestly potent to InsR with IC50 of 75 nM, and no activity towards Abl, ALK, BTK, EGFR, FGFR1/2, PKA etc. Phase 3.	867160-71-2	free base	http://www.selleckchem.com/products/OSI-906.html
3654 / 3661 / 3668	C20	S1194	CUDC-101	46	Epigenetics	HDAC,HER2,EGFR	CUDC-101 is a potent multi-targeted inhibitor against HDAC, EGFR and HER2 with IC50 of 4.4 nM, 2.4 nM, and 15.7 nM, and inhibits class I/II HDACs, but not class III, Sir-type HDACs. Phase 1.	1012054-59-9	free base	http://www.selleckchem.com/products/CUDC-101.html
3654 / 3661 / 3668	C21	S1100	MLN8054	199	Cell Cycle	Aurora Kinase	MLN8054 is a potent and selective inhibitor of Aurora A with IC50 of 4 nM. It is more than 40-fold selective for Aurora A than Aurora B. Phase 1.	869363-13-3	free base	http://www.selleckchem.com/products/MLN8054.html
3654 / 3661 / 3668	C22	S1205	PIK-75	10	PI3K/Akt/mTOR	PI3K,DNA-PK	PIK-75 is a p110 α inhibitor with IC50 of 5.8 nM (200-fold more potently than p110 β), isoform-specific mutants at Ser773, and also potently inhibits DNA-PK with IC50 of 2 nM.	372196-77-5	hydrochloride	http://www.selleckchem.com/products/PIK-75-Hydrochloride.html
3654 / 3661 / 3668	D03	S1218	Clofarabine	200	DNA Damage	DNA/RNA Synthesis	Clofarabine inhibits the enzymatic activities of ribonucleotide reductase (IC50 = 65 nM) and DNA polymerase.	123318-82-1	free base	http://www.selleckchem.com/products/Clofarabine.html
3654 / 3661 / 3668	D04	S1396	Resveratrol	201	Epigenetics	Sirtuin, Autophagy	Resveratrol is a phytoalexin produced naturally by several plants with anticancer, anti-inflammatory, blood-sugar-lowering and other beneficial cardiovascular effects.	501-36-0	free base	http://www.selleckchem.com/products/Resveratrol.html
3654 / 3661 / 3668	D05	S1227	Raloxifene HCl	199	Endocrinology & Hormones	Estrogen/progesterone Receptor	Raloxifene is estrogen antagonists, inhibits human cytosolic aldehyde oxidase-catalyzed phthalazine oxidation activity with IC50 of 5.7 nM.	82640-04-8	hydrochloride	http://www.selleckchem.com/products/Evista.html
3654 / 3661 / 3668	D06	S1408	Linezolid	201	Others	Others	Linezolid is a synthetic antibiotic used for the treatment of serious infections.	165800-03-3	free base	http://www.selleckchem.com/products/Linezolid(Zyvox).html
3654 / 3661 / 3668	D07	S1244	Amuvatinib (MP-470)	71	Protein Tyrosine Kinase	FLT3,c-RET,PDGFR,c-Kit	Amuvatinib (MP-470) is a potent and multi-targeted inhibitor of c-Kit, PDGFR α and Flt3 with IC50 of 10 nM, 40 nM and 81 nM, respectively. Phase 2.	850879-09-3	free base	http://www.selleckchem.com/products/MP-470.html
3654 / 3661 / 3668	D08	S1437	Tizanidine HCl	34	Neuronal Signaling	Adrenergic Receptor	Tizanidine HCl is an α 2-adrenergic receptor agonist and inhibits neurotransmitter release from CNS noradrenergic neurons.	64461-82-1	hydrochloride	http://www.selleckchem.com/products/Tizanidine-hydrochloride.html
3654 / 3661 / 3668	D09	S1258	Prasugrel	80	Neuronal Signaling	P2 Receptor	A novel platelet inhibitor	150322-43-3	free base	http://www.selleckchem.com/products/Prasugrel.html
3654 / 3661 / 3668	D10	S1454	PHA-680632	199	Cell Cycle	Aurora Kinase	PHA-680632 is potent inhibitor of Aurora A, Aurora B and Aurora C with IC50 of 27 nM, 135 nM and 120 nM, respectively. It has 10- to 200-fold higher IC50 for FGFR1, FLT3, LCK, PLK1, STK2, and VEGFR2/3.	398493-79-3	free base	http://www.selleckchem.com/products/PHA-680632.html
3654 / 3661 / 3668	D11	S1275	BX-912	199	PI3K/Akt/mTOR	PDK-1	BX912 is a potent and specific PDK1 inhibitor with IC50 of 12 nM, 9- and 105- fold greater selectivity for PDK1 than PKA and PKC, respectively. In comparison to GSK3 β , selectivity for PDK1 is 600-fold.	702674-56-4	free base	http://www.selleckchem.com/products/bx-912.html
3654 / 3661 / 3668	D12	S1465	Moxifloxacin HCl	200	DNA Damage	Topoisomerase	Moxifloxacin is a fourth-generation synthetic fluoroquinolone antibacterial agent.	186826-86-8	hydrochloride	http://www.selleckchem.com/products/Moxifloxacin.html
3654 / 3661 / 3668	D13	S1288	Camptothecin	10	DNA Damage	Topoisomerase	Camptothecin is a specific inhibitor of DNA topoisomerase I (Topo I) with IC50 of 0.68 μ M. Phase 2.	3/4/7689	free base	http://www.selleckchem.com/products/Camptothecin.html
3654 / 3661 / 3668	D14	S1478	Oligomycin A	12	Transmembrane Transporters	ATPase	Oligomycin A is an inhibitor of ATP synthase, inhibits oxidative phosphorylation and all the ATP-dependent processes occurring on the coupling membrane of mitochondria.	579-13-5	free base	http://www.selleckchem.com/products/Oligomycin-A.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3654 / 3661 / 3668	D15	S1304	Megestrol Acetate	85	Endocrinology & Hormones	Estrogen/progesterone Receptor, Androgen Receptor	Megestrol Acetate is a synthetic progesterone agent with an IC50 of 260 µM for the inhibition of HegG2.	595-33-5	acetate	http://www.selleckchem.com/products/Megestrol-Acetate.html
3654 / 3661 / 3668	D16	S1488	Naratriptan	198	Neuronal Signaling	5-HT Receptor	Naratriptan (Amerge) is a triptan agent that is used for the treatment of migraine headaches.	143388-64-1	free base	http://www.selleckchem.com/products/Naratriptan(Amerge).html
3654 / 3661 / 3668	D17	S1342	Genistein	199	Protein Tyrosine Kinase	Topoisomerase, EGFR	Genistein, a phytoestrogen found in soy products, is a highly specific inhibitor of protein tyrosine kinase (PTK) which blocks the mitogenic effect mediated by EGF on NIH-3T3 cells with IC50 of 12µM or by insulin with IC50 of 19 µM.	446-72-0	free base	http://www.selleckchem.com/products/Genistein.html
3654 / 3661 / 3668	D18	S1504	Dyphylline	200	Metabolism	PDE	Dyphylline is a xanthine derivative with bronchodilator and vasodilator effects.	479-18-5	free base	http://www.selleckchem.com/products/Dyphylline(Diflor).html
3654 / 3661 / 3668	D19	S1364	Epothilone B (EPO906, Patupilone)	200	Cytoskeletal Signaling	Microtubule Associated	Epothilone B is a Taxol-like microtubule-stabilizing agent with EC0.01 of 1.8 µM. Phase 2.	152044-54-7	free base	http://www.selleckchem.com/products/Epothilone-B.html
3654 / 3661 / 3668	D20	S1523	SAR245409 (XL765)	20	PI3K/Akt/mTOR	PI3K, mTOR	SAR245409 (XL765) is a dual inhibitor of mTOR/PI3K, mostly for p110γ with IC50 of 9 nM; also inhibits DNA-PK and mTOR. Phase 1/2.	1349796-36-6	free base	http://www.selleckchem.com/products/XL765(SAR245409).html#
3654 / 3661 / 3668	D21	S1380	Lopinavir	200	Proteases	HIV Protease	Lopinavir is a potent HIV protease inhibitor with Ki of 1.3 pM.	192725-17-0	free base	http://www.selleckchem.com/products/Lopinavir.html
3654 / 3661 / 3668	D22	S1532	AZD7762	137	Cell Cycle	Chk	AZD7762 is a potent and selective inhibitor of Chk1 with IC50 of 5 nM. It is equally potent against Chk2 and less potent against CAM, Yes, Fyn, Lyn, Hck and Lck. Phase 1.	860352-01-8	free base	http://www.selleckchem.com/products/AZD7762.html
3654 / 3661 / 3668	E03	S1003	Linifanib (ABT-869)	199	Protein Tyrosine Kinase	CSF-1R, PDGFR, VEGFR	Linifanib (ABT-869) is a novel, potent ATP-competitive VEGFR/PDGFR inhibitor for KDR, CSF-1R, Flt-1/3 and PDGFRβ with IC50 of 4 nM, 3 nM, 3 nM/4 nM and 66 nM respectively, mostly effective in mutant kinase-dependent cancer cells (i.e. FLT3). Phase 3.	796967-16-3	free base	http://www.selleckchem.com/products/ABT-869.html
3654 / 3661 / 3668	E04	S1110	Varespladib (LY315920)	199	Metabolism	Phospholipase (e.g. PLA)	LY315920 (Varespladib) is a potent and selective human non-pancreatic secretory phospholipase A2 (hnsPLA) inhibitor with IC50 of 7 nM. Phase 3.	172732-68-2	free base	http://www.selleckchem.com/products/LY315920(Varespladib).html
3654 / 3661 / 3668	E05	S1013	Bortezomib (PS-341)	200	Proteases	Proteasome	Bortezomib (PS-341) is a potent 20S proteasome inhibitor with Ki of 0.6 nM.	179324-69-7	free base	http://www.selleckchem.com/products/Bortezomib.html
3654 / 3661 / 3668	E06	S1118	XL147	10	PI3K/Akt/mTOR	PI3K	XL147 is a selective and reversible class I PI3K inhibitor for PI3Kα/δ/γ with IC50 of 39 nM/36 nM/23 nM, less potent to PI3Kβ. Phase 1/2.	956958-53-5	free base	http://www.selleckchem.com/products/XL147.html
3654 / 3661 / 3668	E07	S1028	Lapatinib (GW-572016) Ditosylate	199	Protein Tyrosine Kinase	HER2, EGFR	Lapatinib Ditosylate (GW572016, GW2016) is a potent EGFR and ErbB2 inhibitor with IC50 of 10.8 and 9.2 nM, respectively.	388082-77-7	ditosylate	http://www.selleckchem.com/products/Lapatinib-Ditosylate.html
3654 / 3661 / 3668	E08	S1133	Alisertib (MLN8237)	52	Cell Cycle	Aurora Kinase	Alisertib (MLN8237) is a selective Aurora A inhibitor with IC50 of 1.2 nM. It has >200-fold higher selectivity for Aurora A than Aurora B. Phase 3.	1028486-01-2	free base	http://www.selleckchem.com/products/MLN8237.html
3654 / 3661 / 3668	E09	S1038	PI-103	68	PI3K/Akt/mTOR	PI3K, Autophagy, DNA-PK, mTOR	PI-103 is a multi-targeted PI3K inhibitor for p110α/β/γ with IC50 of 2 nM/3 nM/3 nM/15 nM, less potent to mTOR/DNA-PK with IC50 of 30 nM/23 nM.	371935-74-9	free base	http://www.selleckchem.com/products/PI-103.html
3654 / 3661 / 3668	E10	S1144	Ivacaftor (VX-770)	198	Transmembrane Transporters	CFTR	Ivacaftor (VX-770) is a potentiator of CFTR targeting G551D-CFTR and F508del-CFTR with EC50 of 100 nM and 25 nM, respectively.	873054-44-5	free base	http://www.selleckchem.com/products/VX-770.html
3654 / 3661 / 3668	E11	S1046	Vandetanib (ZD6474)	10	Protein Tyrosine Kinase	VEGFR	Vandetanib (ZD6474) is a potent inhibitor of VEGFR2 with IC50 of 40 nM.	443913-73-3	free base	http://www.selleckchem.com/products/Vandetanib.html
3654 / 3661 / 3668	E12	S1156	Capecitabine	200	DNA Damage	DNA/RNA Synthesis	Capecitabine is a tumor-selective fluoropyrimidine carbamate which achieves higher intratumoral 5-FU level with lower toxicity than 5-FU.	154361-50-9	free base	http://www.selleckchem.com/products/Capecitabine(Xeloda).html
3654 / 3661 / 3668	E13	S1057	Obatoclox Mesylate (GX15-070)	200	Apoptosis	Bcl-2, Autophagy	Obatoclox (GX15-070) is an antagonist of Bcl-2 with Ki of 0.22 µM, can assist in overcoming MCL-1 mediated resistance to apoptosis. Phase 1/2.	803712-79-0	mesylate	http://www.selleckchem.com/products/Obatoclox-Mesylate.html
3654 / 3661 / 3668	E14	S1166	Cisplatin	199	DNA Damage	DNA/RNA Synthesis	Cisplatin is an inorganic platinum complex, which is able to inhibit DNA synthesis by conforming DNA adducts.	15663-27-1	free base	http://www.selleckchem.com/products/Cisplatin.html
3654 / 3661 / 3668	E15	S1070	PHA-665752	199	Protein Tyrosine Kinase	c-Met	PHA-665752 is a potent, selective and ATP-competitive c-Met inhibitor with IC50 of 9 nM, >50-fold selectivity for c-Met than RTKs or STKs.	477575-56-7	free base	http://www.selleckchem.com/products/PHA-665752.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3654 / 3661 / 3668	E16	S1174	MK-2866 (GTx-024)	200	Endocrinology & Hormones	Androgen Receptor	MK-2866 (GTx-024) is a selective androgen receptor modulator (SARM) with Ki of 3.8 nM, and is tissue-selective for anabolic organs. Phase 3.	841205-47-8	free base	http://www.selleckchem.com/products/Ostarine.html
3654 / 3661 / 3668	E17	S1082	Vismodegib (GDC-0449)	199	Stem Cells & Wnt	Hedgehog/Smoothed	Vismodegib (GDC-0449) is a potent, novel and specific hedgehog inhibitor with IC50 of 3 nM and also inhibits P-gp with IC50 of 3.0 µM.	879085-55-9	free base	http://www.selleckchem.com/products/GDC-0449.html
3654 / 3661 / 3668	E18	S1185	Ritonavir	138	Proteases	HIV Protease	Ritonavir is an antiretroviral drug which inhibits a particular liver enzyme that normally metabolizes protease inhibitors, cytochrome P450-3A4 (CYP3A4).	155213-67-5	free base	http://www.selleckchem.com/products/Ritonavir.html
3654 / 3661 / 3668	E19	S1092	KU-55933 (ATM Kinase Inhibitor)	83	DNA Damage	ATM/ATR	KU-55933 is a potent and specific ATM inhibitor with IC50/Ki of 12.9 nM/2.2 nM, and is highly selective for ATM as compared to DNA-PK, PI3K/P14K, ATR and mTOR.	587871-26-9	free base	http://www.selleckchem.com/products/KU-55933.html
3654 / 3661 / 3668	E20	S1196	Exemestane	182	Endocrinology & Hormones	Aromatase	Exemestane is an aromatase inhibitor, inhibits human placental and rat ovarian aromatase with IC50 of 30 nM and 40 nM, respectively.	107868-30-4	free base	http://www.selleckchem.com/products/Exemestane.html
3654 / 3661 / 3668	E21	S1101	Vatalanib (PTK787) 2HCl	202	Protein Tyrosine Kinase	c-Kit,VEGFR	Vatalanib (PTK787) is an inhibitor of VEGFR2/KDR with IC50 of 37 nM, less potent against VEGFR1/Flt-1, 18-fold against VEGFR3/Flt-4. Phase 1/2.	212141-51-0	dihydrochloride	http://www.selleckchem.com/products/VatalanibDihydrochlorideSalt.html
3654 / 3661 / 3668	E22	S1206	Bisoprolol fumarate	199	Neuronal Signaling	Adrenergic Receptor	Bisoprolol is a selective type β1 adrenergic receptor blocker.	104344-23-2	free base	http://www.selleckchem.com/products/BisoprololFumarate.html
3654 / 3661 / 3668	F03	S1219	YM201636	74	PI3K/Akt/mTOR	PI3K	YM201636 is a selective PIKfyve inhibitor with IC50 of 33 nM, less potent to p110α and insensitive to FabI (yeast orthologue).	371942-69-7	free base	http://www.selleckchem.com/products/ym201636.html
3654 / 3661 / 3668	F04	S1397	Rocuronium Bromide	200	Neuronal Signaling	AChR	Rocuronium Bromide is an aminosteroid non-depolarizing neuromuscular blocker or muscle relaxant.	119302-91-9	bromide	http://www.selleckchem.com/products/Rocuroniumbromide.html
3654 / 3661 / 3668	F05	S1229	Fludarabine Phosphate	199	DNA Damage	DNA/RNA Synthesis	Fludarabine Phosphate is an analogue of adenosine and deoxyadenosine, which is able to compete with dATP for incorporation into DNA and inhibit DNA synthesis.	75607-67-9	phosphate	http://www.selleckchem.com/products/Fludara.html
3654 / 3661 / 3668	F06	S1409	Alfuzosin HCl	199	Neuronal Signaling	Adrenergic Receptor	Alfuzosin(Uroxatral) is an alpha1 receptor antagonist used to treat benign prostatic hyperplasia (BPH).	81403-68-1	hydrochloride	http://www.selleckchem.com/products/Alfuzosinhydrochloride.html
3654 / 3661 / 3668	F07	S1247	Leflunomide	199	Others	Others	Leflunomide is an immunosuppressant agent. Its active metabolite is Teriflunomide.	75706-12-6	free base	http://www.selleckchem.com/products/Leflunomide.html
3654 / 3661 / 3668	F08	S1439	Tranilast	201	Others	Others	Tranilast is an antiallergic compound.	53902-12-8	free base	http://www.selleckchem.com/products/Tranilast.html
3654 / 3661 / 3668	F09	S1260	Cinacalcet HCl	200	GPCR & G Protein	CaSR	AMG-073 represents a new class of compounds for the treatment of hyperparathyroidism.	364782-34-3	hydrochloride	http://www.selleckchem.com/products/Cinacalcethydrochloride.html
3654 / 3661 / 3668	F10	S1455	Cilomilast	200	Metabolism	PDE	Cilomilast is a potent PDE4 inhibitor with IC50 of about 110 nM, has anti-inflammatory activity and low central nervous system activity.	153259-65-5	free base	http://www.selleckchem.com/products/Cilomilast(SB-207499).html
3654 / 3661 / 3668	F11	S1276	Adapalene	19	Others	Others	Adapalene is a third-generation topical retinoid primarily used in the treatment of acne.	106685-40-9	free base	http://www.selleckchem.com/products/Adapalene.html
3654 / 3661 / 3668	F12	S1466	Calcitriol	199	Others	Others	Calcitriol is the hormonally active form of vitamin D.	32222-06-3	free base	http://www.selleckchem.com/products/Calcitriol-(Rocaltrol).html
3654 / 3661 / 3668	F13	S1289	Carmofur	202	DNA Damage	DNA/RNA Synthesis	Carmofur is a pyrimidine analogue used as an antineoplastic agent.	61422-45-5	free base	http://www.selleckchem.com/products/Carmofur.html
3654 / 3661 / 3668	F14	S1481	Zosuquidar (LY335979) 3HCl	156	Transmembrane Transporters	P-gp	Zosuquidar (LY335979) is a potent modulator of P-glycoprotein-mediated multi-drug resistance with Ki of 60 nM. Phase 3.	167465-36-3	hydrochloride	http://www.selleckchem.com/products/LY335979.html
3654 / 3661 / 3668	F15	S1312	Streptozotocin (STZ)	199	Others	Others	Streptozotocin is a glucosamine-nitrosourea derivative, which is a methylating, carcinogenic, antibiotic and diabetes inducing agent.	18883-66-4	free base	http://www.selleckchem.com/products/Streptozotocin.html
3654 / 3661 / 3668	F16	S1489	PIK-93	200	PI3K/Akt/mTOR	PI3K	PIK-93 is the first potent, synthetic PI4K (PI4KIIIβ) inhibitor with IC50 of 19 nM; shown to inhibit PI3Kα with IC50 of 39 nM.	593960-11-3	free base	http://www.selleckchem.com/products/PIK-93.html
3654 / 3661 / 3668	F17	S1344	Glimepiride	22	Proteases	DPP-4	Glimepiride is a medium-to-long acting sulfonylurea anti-diabetic compound with an ED50 of 182 µg/kg.	93479-97-1	free base	http://www.selleckchem.com/products/Glimepiride.html

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3654 / 3661 / 3668	F18	S1505	Aztreonam	199	Others	Others	Aztreonam is a synthetic monocyclic beta-lactam antibiotic.	78110-38-0	free base	http://www.selleckchem.com/products/Aztreonam(Azactam).html
3654 / 3661 / 3668	F19	S1366	BMS-707035	92	Microbiology	Integrase	BMS-707035 is a specific HIV-I integrase (IN) inhibitor with IC50 of 15 nM. Phase 2.	729607-74-3	free base	http://www.selleckchem.com/products/BMS-707035.html
3654 / 3661 / 3668	F20	S1524	AT7519	26	Cell Cycle	CDK	AT7519 is a multi-CDK inhibitor for CDK1, 2, 4, 6 and 9 with IC50 of 10-210 nM. It is less potent to CDK3 and little active to CDK7. Phase 1.	844442-38-2	free base	http://www.selleckchem.com/products/AT7519.html
3654 / 3661 / 3668	F21	S1381	Meropenem	200	Others	Others	Meropenem is an ultra-broad spectrum injectable antibiotic.	96036-03-2	free base	http://www.selleckchem.com/products/Meropenem.html
3654 / 3661 / 3668	F22	S1533	R406 (free base)	44	Angiogenesis	Syk	R406 (free base) is a potent Syk inhibitor with IC50 of 41 nM, strongly inhibits Syk but not Lyn, 5-fold less potent to Flt3. Phase 2.	841290-80-0	free base	http://www.selleckchem.com/products/R406(free-base).html
3654 / 3661 / 3668	G03	S1004	Veliparib (ABT-888)	69	DNA Damage	PARP	Veliparib (ABT-888) is a potent inhibitor of PARP1 and PARP2 with Ki of 5.2 nM and 2.9 nM, respectively. It is inactive to SIRT2. Phase 1/2.	912444-00-9	free base	http://www.selleckchem.com/products/ABT-888.html
3654 / 3661 / 3668	G04	S1111	Foretinib (GSK1363089)	200	Protein Tyrosine Kinase	VEGFR,c-Met	Foretinib (GSK1363089) is an ATP-competitive inhibitor of HGFR and VEGFR, mostly for Met and KDR with IC50 of 0.4 nM and 0.9 nM. Less potent against Ron, Flt-1/3/4, Kit, PDGFR α / β and Tie-2, and little activity to FGFR1 and EGFR. Phase 2.	849217-64-7	free base	http://www.selleckchem.com/products/XL880(GSK1363089,EXEL-2880).html
3654 / 3661 / 3668	G05	S1017	Cediranib (AZD2171)	199	Protein Tyrosine Kinase	VEGFR	Cediranib (AZD2171) is a highly potent VEGFR(KDR) inhibitor with IC50 of <1 nM, also inhibits Flt1/4 with IC50 of 5 nM/s3 nM, similar activity against cKit and PDGFR β , 36-, 110-fold and >1000-fold selective more for VEGFR than PDGFR α , CSF-1R and Flt3, Phase 2/3.	288383-20-0	free base	http://www.selleckchem.com/products/Cediranib.html
3654 / 3661 / 3668	G06	S1119	Cabozantinib (XL184, BMS-907351)	199	Protein Tyrosine Kinase	FLT3,Tie-2,c-Kit,c-Met,VEGFR,Axl	Cabozantinib (XL184, BMS-907351) is a potent VEGFR2 inhibitor with IC50 of 0.035 nM and also inhibits c-Met, Ret, Kit, Flt-1/3/4, Tie2, and AXL with IC50 of 1.3 nM, 4 nM, 4.6 nM, 12 nM/11.3 nM/6 nM, 14.3 nM and 7 nM, respectively.	849217-68-1	free base	http://www.selleckchem.com/products/XL184.html
3654 / 3661 / 3668	G07	S1029	Lenalidomide (CC-5013)	200	Apoptosis	TNF-alpha	Lenalidomide (CC-5013) is a TNF- α secretion inhibitor with IC50 of 13 nM.	191732-72-6	free base	http://www.selleckchem.com/products/Lenalidomide.html
3654 / 3661 / 3668	G08	S1134	AT9283	199	JAK/STAT	JAK,Aurora Kinase,Bcr-Abl	AT9283 is a potent JAK2/3 inhibitor with IC50 of 1.2 nM/1.1 nM; also potent to Aurora A/B, Abl(T315I). Phase 1/2.	896466-04-9	free base	http://www.selleckchem.com/products/AT9283.html
3654 / 3661 / 3668	G09	S1039	Rapamycin (Sirolimus)	21	PI3K/Akt/mTOR	Autophagy,mTOR	Rapamycin (Sirolimus, AY-22989, WY-090217) is a specific mTOR inhibitor with IC50 of ~0.1 nM.	53123-88-9	free base	http://www.selleckchem.com/products/Rapamycin.html
3654 / 3661 / 3668	G10	S1145	SNS-032 (BMS-387032)	199	Cell Cycle	CDK	SNS-032 has firstly been described as a selective inhibitor of CDK2 with IC50 of 48 nM and is 10- and 20-fold selective over CDK1/CDK4. It is also found to be sensitive to CDK7/9 with IC50 of 62 nM/4 nM, with little effect on CDK6. Phase 1.	345627-80-7	free base	http://www.selleckchem.com/products/SNS-032.html
3654 / 3661 / 3668	G11	S1047	Vorinostat (SAHA, MK0683)	200	Epigenetics	Autophagy,HDAC	Vorinostat (suberoylanilide hydroxamic acid, SAHA) is an HDAC inhibitor with IC50 of ~10 nM.	149647-78-9	free base	http://www.selleckchem.com/products/Vorinostat(SAHA).html
3654 / 3661 / 3668	G12	S1157	CEP-18770 (Delanzomib)	200	Proteases	Proteasome	CEP-18770 is an orally active inhibitor of the chymotrypsin-like activity of proteasome with IC50 of 3.8 nM, with only marginal inhibition of the tryptic and peptidylglutamyl activities of the proteasome. Phase 1/2.	847499-27-8	free base	http://www.selleckchem.com/products/cep-18770.html
3654 / 3661 / 3668	G13	S1060	Olaparib (AZD2281, KU-0059436)	200	DNA Damage	PARP	Olaparib (AZD2281, KU0059436) is a selective inhibitor of PARP1/2 with IC50 of 5 nM/1 nM, 300-times less effective against tankyrase-1. Phase 1/2.	763113-22-0	free base	http://www.selleckchem.com/products/AZD2281(Olaparib).html
3654 / 3661 / 3668	G14	S1167	CP-724714	200	Protein Tyrosine Kinase	EGFR,HER2	CP-724,714 is a potent, selective inhibitor of HER2/ErbB2 with IC50 of 10 nM, >640-fold selectivity against EGFR, InsR, IRG-1R, PDGFR, VEGFR2, Abl, Src, c-Met etc. Phase 2.	537705-08-1	free base	http://www.selleckchem.com/products/CP-724714.html
3654 / 3661 / 3668	G15	S1071	HA14-1	200	Apoptosis	Bcl-2	HA14-1 is a non-peptidic ligand of a Bcl-2 surface pocket with IC50 of ~9 μ M.	65673-63-4	free base	http://www.selleckchem.com/products/HA14-1.html
3654 / 3661 / 3668	G16	S1175	BIB021	200	Cytoskeletal Signaling	HSP (e.g. HSP90)	BIB021 is an orally available, fully synthetic small-molecule inhibitor of HSP90 with Ki and EC50 of 1.7 nM and 38 nM, respectively.	848695-25-0	free base	http://www.selleckchem.com/products/BIB021.html
3654 / 3661 / 3668	G17	S1084	Brivanib (BMS-540215)	199	Protein Tyrosine Kinase	FGFR,VEGFR	Brivanib is an ATP-competitive inhibitor against VEGFR2 with IC50 of 25 nM, moderate potency against VEGFR-1 and FGFR-1, but >240-fold against PDGFR- β . Phase 3.	649735-46-6	free base	http://www.selleckchem.com/products/Brivanib.html
3654 / 3661 / 3668	G18	S1186	BIBR 1532	199	DNA Damage	Telomerase	BIBR 1532 is a potent, selective, non-competitive telomerase inhibitor with IC50 of 100 nM.	321674-73-1	free base	http://www.selleckchem.com/products/BIBR1532.html

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3654 / 3661 / 3668	G19	S1093	GSK1904529A	145	Protein Tyrosine Kinase	IGF-1R	GSK1904529A is a selective inhibitor of IGF-1R and IR with IC50 of 27 nM and 25 nM, >100-fold more selective for IGF-1R/InsR than Akt1/2, Aurora A/B, B-Raf, CDK2, EGFR etc.	1089283-49-7	free base	http://www.selleckchem.com/products/GSK1904529A.html
3654 / 3661 / 3668	G20	S1197	Finasteride	201	Endocrinology & Hormones	5-alpha Reductase	Finasteride is an inhibitor of steroid Type II 5 α -reductase.	98319-26-7	free base	http://www.selleckchem.com/products/Finasteride.html
3654 / 3661 / 3668	G21	S1102	U0126-ETOH	199	MAPK	MEK	U0126-ETOH is a highly selective inhibitor of MEK1/2 with IC50 of 0.07 μ M/0.06 μ M, 100-fold higher affinity for Δ N3-S218E/S222D MEK than PD098059.	1173097-76-1	ethanolat	http://www.selleckchem.com/products/U0126.html
3654 / 3661 / 3668	G22	S1207	Tivozanib (AV-951)	43	Protein Tyrosine Kinase	VEGFR, PDGFR, c-Kit	Tivozanib (AV-951) is a potent and selective VEGFR inhibitor for VEGFR1/2/3 with IC50 of 30 nM/6.5 nM/15 nM, and also inhibits PDGFR and c-Kit, low activity observed against FGFR-1, Flt3, c-Met EGFR and IGF-1R. Phase 3.	475108-18-0	free base	http://www.selleckchem.com/products/AV-951.html
3654 / 3661 / 3668	H03	S1220	OSI-930	200	Protein Tyrosine Kinase	c-Kit, CSF-1R, VEGFR	OSI-930 is a potent inhibitor of Kit, KDR and CSF-1R with IC50 of 80 nM, 9 nM and 15 nM, respectively; also potent to Flt-1, c-Raf and Lck and low activity against PDGFR α / β , Flt-3 and Abl. Phase 1.	728033-96-3	free base	http://www.selleckchem.com/products/OSI-930.html
3654 / 3661 / 3668	H04	S1398	Stavudine (d4T)	200	Microbiology	Reverse Transcriptase	Stavudine is a nucleoside analog reverse transcriptase inhibitor (NRTI) active against HIV.	3056-17-5	free base	http://www.selleckchem.com/products/Stavudine.html
3654 / 3661 / 3668	H05	S1231	Topotecan HCl	200	DNA Damage	Topoisomerase	Topotecan (NSC 609699) is a topoisomerase I inhibitor for MCF-7 Luc cells and DU-145 Luc cells with IC50 of 13 nM and 2 nM, respectively.	119413-54-6	hydrochloride	http://www.selleckchem.com/products/Topotecan-Hydrochloride.html
3654 / 3661 / 3668	H06	S1415	Clopidogrel	200	Neuronal Signaling	P2 Receptor	Clopidogrel (Plavix) is an oral, thienopyridine class antiplatelet agent.	120202-66-6	sulfate	http://www.selleckchem.com/products/Clopidogrel-bisulfate.html
3654 / 3661 / 3668	H07	S1248	Vinblastine	83	Cytoskeletal Signaling	Microtubule Associated	Vinblastine inhibits microtubule formation and supresses nAChR activity with IC50 of 8.9 μ M. Phase 2.	865-21-4	free base	http://www.selleckchem.com/products/Vinblastine.html
3654 / 3661 / 3668	H08	S1442	Voriconazole	200	Metabolism	P450 (e.g. CYP17)	Voriconazole is a new triazole derivative similar to fluconazole and itraconazole that acts by inhibiting fungal cytochrome P-450-dependent, 14-alpha-sterol demethylase-mediated synthesis of ergosterol.	137234-62-9	free base	http://www.selleckchem.com/products/Voriconazole.html
3654 / 3661 / 3668	H09	S1261	Celecoxib	199	Neuronal Signaling	COX	Celecoxib is a selective COX-2 inhibitor with IC50 of 40 nM.	169590-42-5	free base	http://www.selleckchem.com/products/Celecoxib.html
3654 / 3661 / 3668	H10	S1456	Zibotentan (ZD4054)	56	GPCR & G Protein	Endothelin Receptor	Zibotentan (ZD4054) is a specific Endothelin (ET)A antagonist with IC50 of 21 nM, exhibiting no activity at ETB. Phase 3.	186497-07-4	free base	http://www.selleckchem.com/products/Zibotentan(ZD4054).html
3654 / 3661 / 3668	H11	S1278	Altretamine	71	Others	Others	Altretamine is an anti-neoplastic agent.	645-05-6	free base	http://www.selleckchem.com/products/Altretamine.html
3654 / 3661 / 3668	H12	S1467	Doxercalciferol	201	Others	Others	Doxercalciferol is a synthetic analog of vitamin D.	54573-75-0	free base	http://www.selleckchem.com/products/Doxercalciferol(Hectorol).html
3654 / 3661 / 3668	H13	S1291	Cetirizine DiHCl	199	Neuronal Signaling	Histamine Receptor	Cetirizine DiHCl is an antihistamine.	83881-52-1	hydrochloride	http://www.selleckchem.com/products/Cetirizine-dihcl.html
3654 / 3661 / 3668	H14	S1482	Daclatasvir (BMS-790052)	200	Proteases	HCV Protease	BMS-790052 is a highly selective inhibitor of HCV NS5A with EC50 of 9-50 μ M, for a broad range of HCV replicon genotypes and the JFH-1 genotype 2a infectious virus in cell culture. Phase 3.	1009119-64-5	free base	http://www.selleckchem.com/products/BMS-790052.html
3654 / 3661 / 3668	H15	S1315	Ki16425	200	GPCR & G Protein	LPA Receptor	Ki16425 is a competitive, potent and reversible antagonist to LPA1, LPA2 and LPA3 with Ki of 0.34 μ M, 6.5 μ M and 0.93 μ M, respectively, shows no activity at LPA4, LPA5, LPA6.	355025-24-0	free base	http://www.selleckchem.com/products/Ki16425.html
3654 / 3661 / 3668	H16	S1490	Ponatinib (AP24534)	56	Angiogenesis	PDGFR, FGFR, VEGFR, Bcr-Abl	Ponatinib (AP24534) is a novel, potent multi-target inhibitor of Abl, PDGFR α , VEGFR2, FGFR1 and Src with IC50 of 0.37 nM, 1.1 nM, 1.5 nM, 2.2 nM and 5.4 nM, respectively.	943319-70-8	free base	http://www.selleckchem.com/products/AP24534.html
3654 / 3661 / 3668	H17	S1352	TG100-115	25	PI3K/Akt/mTOR	PI3K	TG100115 is a PI3K γ / δ inhibitor with IC50 of 83 nM/235 nM, with little effect on PI3K α / β . Phase 1/2.	677297-51-7	free base	http://www.selleckchem.com/products/TG100-115.html
3654 / 3661 / 3668	H18	S1508	Alprostadil	200	Others	Others	Alprostadil is used as a drug in the treatment of erectile dysfunction and has vasodilatory properties.	745-65-3	free base	http://www.selleckchem.com/products/Alprostadil(Caverject).html
3654 / 3661 / 3668	H19	S1367	Amonafide	201	DNA Damage	Topoisomerase	Amonafide produces protein-associated DNA-strand breaks through a topoisomerase II-mediated reaction, but does not produce topoisomerase I-mediated DNA cleavage. Phase 3.	69408-81-7	free base	http://www.selleckchem.com/products/Amonafide.html
3654 / 3661 / 3668	H20	S1525	MK-1775	159	Cell Cycle	Wee1	MK-1775 is a potent and selective Wee1 inhibitor with IC50 of 5.2 nM; hinders G2 DNA damage checkpoint. Phase 2.	955365-80-7	free base	http://www.selleckchem.com/products/MK-1775.html

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3654 / 3661 / 3668	H21	S1382	Mianserin HCl	199	Neuronal Signaling	Histamine Receptor	Mianserin HCl is a psychoactive agent of the tetracyclic antidepressant.	21535-47-7	hydrochloride	http://www.selleckchem.com/products/Mianserin-hydrochloride.html
3654 / 3661 / 3668	H22	S1536	CP-673451	100	Protein Tyrosine Kinase	PDGFR	CP 673451 is a selective inhibitor of PDGFR α / β with IC50 of 10 nM/1 nM, exhibits >450-fold selectivity over other angiogenic receptors, has antiangiogenic and antitumor activity.	343787-29-1	free base	http://www.selleckchem.com/products/CP-673451.html
3654 / 3661 / 3668	I03	S1005	Axitinib	108	Protein Tyrosine Kinase	c-Kit, VEGFR, PDGFR	Axitinib is a multi-target inhibitor of VEGFR1, VEGFR2, VEGFR3, PDGFR β and c-Kit with IC50 of 0.1 nM, 0.2 nM, 0.1-0.3 nM, 1.6 nM and 1.7 nM, respectively.	319460-85-0	free base	http://www.selleckchem.com/products/Axitinib.html
3654 / 3661 / 3668	I04	S1112	SGX-523	10	Protein Tyrosine Kinase	c-Met	SGX-523 is a selective Met inhibitor with IC50 of 4 nM, no activity to BRAFV599E, c-Raf, Abl and p38 α . Phase 1.	1022150-57-7	free base	http://www.selleckchem.com/products/SGX-523.html
3654 / 3661 / 3668	I05	S1020	PD184352 (CI-1040)	200	MAPK	MEK	CI-1040 (PD 184352) is an ATP non-competitive MEK1/2 inhibitor with IC50 of 17 nM, 100-fold more selective for MEK1/2 than MEK5. Phase 2.	212631-79-3	free base	http://www.selleckchem.com/products/CI-1040-(PD184352).html
3654 / 3661 / 3668	I06	S1120	Everolimus (RAD001)	31	PI3K/Akt/mTOR	mTOR	Everolimus (RAD001) is an mTOR inhibitor of FKBP12 with IC50 of 1.6-2.4 nM.	159351-69-6	free base	http://www.selleckchem.com/products/Everolimus(RAD001).html
3654 / 3661 / 3668	I07	S1030	Panobinostat (LBH589)	200	Epigenetics	HDAC	Panobinostat (LBH589) is a novel broad-spectrum HDAC inhibitor with IC50 of 5 nM. Phase 3.	404950-80-7	free base	http://www.selleckchem.com/products/LBH-589.html
3654 / 3661 / 3668	I08	S1137	Malotilate	201	Others	Others	Malotilate is a liver protein metabolism improved compound.	59937-28-9	free base	http://www.selleckchem.com/products/Malotilate.html
3654 / 3661 / 3668	I09	S1040	Sorafenib Tosylate	199	MAPK	PDGFR, Raf, VEGFR	Sorafenib Tosylate (Bay 43-9006) is a multikinase inhibitor of Raf-1, B-Raf and VEGFR-2 with IC50 of 6 nM, 22 nM and 90 nM, respectively.	475207-59-1	tosylate	http://www.selleckchem.com/products/Sorafenib-Tosylate.html
3654 / 3661 / 3668	I10	S1147	Barasertib (AZD1152-HQPA)	200	Cell Cycle	Aurora Kinase	AZD1152-HQPA (Barasertib) is a highly selective Aurora B inhibitor with IC50 of 0.37 nM, ~100 fold more selective for Aurora B over Aurora A.	722544-51-6	free base	http://www.selleckchem.com/products/AZD1152-HQPA.html
3654 / 3661 / 3668	I11	S1048	VX-680 (Tozasertib, MK-0457)	200	Cell Cycle	Aurora Kinase	VX-680 (Tozasertib, MK-0457) is a pan-Aurora inhibitor, mostly against Aurora A with Kiapp of 0.6 nM, less potent towards Aurora B/Aurora C and 100-fold more selective for Aurora A than 55 other kinases. Phase 2.	639089-54-6	free base	http://www.selleckchem.com/products/VX-680(MK-0457).html
3654 / 3661 / 3668	I12	S1158	MK-8245	199	Metabolism	Dehydrogenase	MK-8245 is an liver-targeting inhibitor of stearyl-CoA desaturase (SCD) with IC50 of 1 nM for human SCD1 and 3 nM for both rat SCD1 and mouse SCD1, with anti-diabetic and anti-dyslipidemic efficacy. Phase 2.	1030612-90-8	free base	http://www.selleckchem.com/products/mk-8245.html
3654 / 3661 / 3668	I13	S1064	Masitinib (AB1010)	200	Protein Tyrosine Kinase	PDGFR, c-Kit	Masitinib is a novel inhibitor for Kit and PDGFR α / β with IC50 of 200 nM and 540 nM/800 nM, weak inhibition to ABL and c-Fms. Phase 2/3.	790299-79-5	free base	http://www.selleckchem.com/products/Masitinib-(AB1010).html
3654 / 3661 / 3668	I14	S1168	Valproic acid sodium salt (Sodium valproate)	198	Neuronal Signaling	Autophagy, HDAC, GABA Receptor	Valproic acid sodium salt (Sodium valproate) is a HDAC inhibitor with IC50 of 0.4 mM and also inhibits GABA-transaminase or succinic semialdehyde dehydrogenase.	1069-66-5	free base	http://www.selleckchem.com/products/Sodium-valproate.html
3654 / 3661 / 3668	I15	S1072	ZSTK474	50	PI3K/Akt/mTOR	PI3K	ZSTK474 inhibits class I PI3Kisoforms with IC50 of 37 nM, mostly PI3K δ .	475110-96-4	free base	http://www.selleckchem.com/products/ZSTK474.html
3654 / 3661 / 3668	I16	S1177	PD98059	71	MAPK	MEK	PD98059 is a non-ATP competitive MEK inhibitor with IC50 of 2 μ M, specifically inhibits MEK-1-mediated activation of MAPK; does not directly inhibit ERK1 or ERK2.	167869-21-8	free base	http://www.selleckchem.com/products/PD-98059.html
3654 / 3661 / 3668	I17	S1085	Belinostat (PXD101)	201	Epigenetics	HDAC	Belinostat (PXD101) is a novel HDAC inhibitor with IC50 of 27 nM, with activity demonstrated in cisplatin-resistant tumors. Phase 1/2.	414864-00-9	free base	http://www.selleckchem.com/products/Belinostat.html
3654 / 3661 / 3668	I18	S1188	Anastrozole	201	Endocrinology & Hormones	Aromatase	Anastrozole is a third-generation nonsteroidal selective aromatase inhibitor.	120511-73-1	free base	http://www.selleckchem.com/products/Anastrozole.html
3654 / 3661 / 3668	I19	S1094	PF-04217903	13	Protein Tyrosine Kinase	c-Met	PF-04217903 is a selective ATP-competitive c-Met inhibitor with IC50 of 4.8 nM, susceptible to oncogenic mutations (no activity to Y1230C mutant). Phase 1.	956905-27-4	free base	http://www.selleckchem.com/products/PF-04217903.html
3654 / 3661 / 3668	I20	S1199	Cladribine	199	DNA Damage	DNA/RNA Synthesis	Cladribine is an adenosine deaminase inhibitor for U266, RPMI8226, and MM1.S cells with IC50 of approximately 2.43 μ M, 0.75 μ M, and 0.18 μ M, respectively.	4291-63-8	free base	http://www.selleckchem.com/products/Cladribine.html
3654 / 3661 / 3668	I21	S1103	ZM 447439	200	Cell Cycle	Aurora Kinase	ZM 447439 is a selective and ATP-competitive inhibitor for Aurora A and Aurora B with IC50 of 110 nM and 130 nM, respectively. It is more than 8-fold selective for Aurora A/B than MEK1, Src, Lck and has little effect against CDK1/2/4, Plk1, Chk1, etc.	331771-20-1	free base	http://www.selleckchem.com/products/ZM-447439.html
3654 / 3661 / 3668	I22	S1208	Doxorubicin (Adriamycin)	172	DNA Damage	Autophagy, Topoisomerase	Doxorubicin (Adriamycin) is an antibiotic agent that inhibits DNA topoisomerase II and induces DNA damage and apoptosis.	25316-40-9	hydrochloride	http://www.selleckchem.com/products/Adriamycin.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3654 / 3661 / 3668	J03	S1221	Dacarbazine	16	DNA Damage	DNA/RNA Synthesis	Dacarbazine is an antineoplastic chemotherapy drug used in the treatment of various cancers.	3/4/4342	free base	http://www.selleckchem.com/products/Dacarbazine.html
3654 / 3661 / 3668	J04	S1400	Tenofovir Disoproxil Fumarate	201	Microbiology	Reverse Transcriptase	Tenofovir disoproxil fumarate belongs to nucleotide analogue reverse transcriptase inhibitors (nRTIs).	202138-50-9	fumarate	http://www.selleckchem.com/products/Tenofovir-Disoproxil-Fumarate.html
3654 / 3661 / 3668	J05	S1233	2-Methoxyestradiol (2-MeOE2)	201	Angiogenesis	HIF	2-Methoxyestradiol depolymerizes microtubules and blocks HIF-1 α nuclear accumulation and HIF-transcriptional activity. Phase 2.	362-07-2	free base	http://www.selleckchem.com/products/2-Methoxyestradiol(2ME2).html
3654 / 3661 / 3668	J06	S1422	Droxinostat	201	Cytoskeletal Signaling	HDAC	Droxinostat (CMH, 5809354) is a selective inhibitor of HDAC, mostly for HDACs 6 and 8 with IC50 of 2.47 μ M and 1.46 μ M, greater than 8-fold selective against HDAC3 and no inhibition to HDAC1, 2, 4, 5, 7, 9, and 10.	99873-43-5	free base	http://www.selleckchem.com/products/Droxinostat.html
3654 / 3661 / 3668	J07	S1249	JNJ-7706621	200	Cell Cycle	CDK,Aurora Kinase	JNJ-7706621 is pan-CDK inhibitor with the highest potency on CDK1/2 with IC50 of 9 nM/4 nM and showing >6-fold selectivity for CDK1/2 than CDK3/4/6. It also potently inhibits Aurora A/B and has no activity on Plk1 and Wee1.	443797-96-4	free base	http://www.selleckchem.com/products/JNJ-7706621.html
3654 / 3661 / 3668	J08	S1443	Zileuton	198	Others	Others	Zileuton is an orally active inhibitor of 5-lipoxygenase, and thus inhibits leukotrienes (LTB4, LTC4, LTD4, and LTE4) formation.	111406-87-2	free base	http://www.selleckchem.com/products/Zileuton.html
3654 / 3661 / 3668	J09	S1262	Avagacestat (BMS-708163)	199	Proteases	Gamma-secretase,Beta Amyloid	Avagacestat (BMS-708163) is a potent, selective, orally bioavailable γ -secretase inhibitor of A β 40 and A β 42 with IC50 of 0.3 nM and 0.27 nM, demonstrating a 193-fold selectivity against Notch. Phase 2.	1146699-66-2	free base	http://www.selleckchem.com/products/BMS-708163.html
3654 / 3661 / 3668	J10	S1457	Atazanavir Sulfate	129	Proteases	HIV Protease	Atazanavir is a HIV protease inhibitor with Ki of 2.66 nM.	229975-97-7	sulfate	http://www.selleckchem.com/products/Atazanavir.html
3654 / 3661 / 3668	J11	S1282	Artemisinin	201	Others	Others	Artemisinin is a drug used to treat multi-drug resistant strains of falciparum malaria.	63968-64-9	free base	http://www.selleckchem.com/products/Artemisinin.html
3654 / 3661 / 3668	J12	S1470	TSU-68 (SU6668, Orantinib)	199	Protein Tyrosine Kinase	VEGFR,PDGFR, FGFR	SU6668 has greatest potency against PDGFR autophosphorylation with Ki of 8 nM, but also strongly inhibits Flk-1 and FGFR1 trans-phosphorylation, little activity against IGF-1R, Met, Src, Lck, Zap70, Abl and CDK2; does not inhibit EGFR. Phase 3.	252916-29-3	free base	http://www.selleckchem.com/products/TSU-68(SU6668).html
3654 / 3661 / 3668	J13	S1294	Cilostazol	200	Metabolism	PDE	Cilostazol is a potent cyclic nucleotide phosphodiesterase type 3 (PDE3) inhibitor with IC50 of 0.2 μ M and inhibitor of adenosine uptake.	73963-72-1	free base	http://www.selleckchem.com/products/Cilostazol.html
3654 / 3661 / 3668	J14	S1483	loperidone	63	Others	Others	loperidone is an atypical antipsychotic for the treatment of schizophrenia.	133454-47-4	free base	http://www.selleckchem.com/products/loperidone(Fanapt).html
3654 / 3661 / 3668	J15	S1324	Doxazosin Mesylate	27	Neuronal Signaling	Adrenergic Receptor	Doxazosin mesylate is an alpha-1 adrenergic receptor blocker.	77883-43-3	mesylate	http://www.selleckchem.com/products/Doxazosin-mesylate.html
3654 / 3661 / 3668	J16	S1494	LY2228820	57	MAPK	p38 MAPK	LY2228820 is a novel and potent inhibitor of p38 MAPK with IC50 of 7 nM, does not alter p38 MAPK activation. Phase 1/2.	862507-23-1	mesylate	http://www.selleckchem.com/products/LY2228820.html
3654 / 3661 / 3668	J17	S1354	Lansoprazole	200	Transmembrane Transporters	Proton Pump	Lansoprazole is a proton-pump inhibitor (PPI) which prevents the stomach from producing gastric acid.	103577-45-3	free base	http://www.selleckchem.com/products/Lansoprazole.html
3654 / 3661 / 3668	J18	S1512	Tadalafil	200	Metabolism	PDE	Tadalafil is a PDE-5 inhibitor with IC50 of 1.8 nM.	171596-29-5	free base	http://www.selleckchem.com/products/Tadalafil(Cialis).html
3654 / 3661 / 3668	J19	S1368	Acitretin	61	Others	Others	Acitretin is a second generation retinoid used for psoriasis.	55079-83-9	free base	http://www.selleckchem.com/products/Acitretin.html
3654 / 3661 / 3668	J20	S1526	Quizartinib (AC220)	59	Angiogenesis	FLT3	Quizartinib (AC220) is a second-generation FLT3 inhibitor for Flt3(ITD/WT) with IC50 of 1.1 nM/4.2 nM, 10-fold more selective for Flt3 than KIT, PDGFR α , PDGFR β , RET, and CSF-1R. Phase 1/2.	950769-58-1	free base	http://www.selleckchem.com/products/AC-220.html
3654 / 3661 / 3668	J21	S1386	Nafamostat Mesylate	37	Proteases	Proteasome	Nafamostat Mesylate is an anticoagulant.Phase 4.	82956-11-4	mesylate	http://www.selleckchem.com/products/Nafamostat-mesylate.html
3654 / 3661 / 3668	J22	S1537	DMXAA (Vadimezan)	24	Angiogenesis	VDA	DMXAA (Vadimezan) is a vascular disrupting agents (VDA) and competitive inhibitor of DT-diaphorase with Ki of 20 μ M and IC50 of 62.5 μ M, respectively. Phase 3.	117570-53-3	free base	http://www.selleckchem.com/products/DMXAA(AS A404).html
3654 / 3661 / 3668	K03	S1006	Saracatinib (AZD0530)	184	Angiogenesis	Src,Bcr-Abl	Saracatinib (AZD0530) is a potent Src inhibitor with IC50 of 2.7 nM, and potent to c-Yes, Fyn, Lyn, Blk, Fgr and Lck; less active for Abl and EGFR (L858R and L861Q). Phase 1/2.	379231-04-6	free base	http://www.selleckchem.com/products/AZD0530.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3654 / 3661 / 3668	K04	S1113	GSK690693	91	PI3K/Akt/mTOR	Akt	GSK690693 is a pan-Akt inhibitor targeting Akt1/2/3 with IC50 of 2 nM/13 nM/9 nM, also sensitive to the AGC kinase family: PKA, PrkX and PKC isozymes. Phase 1.	937174-76-0	free base	http://www.selleckchem.com/products/GSK690693.html
3654 / 3661 / 3668	K05	S1021	Dasatinib	200	Angiogenesis	Bcr-Abl,c-Kit,Src	Dasatinib is a novel, potent and multi-targeted inhibitor that targets Abl, Src and c-Kit, with IC50 of < 1 nM, 0.8 nM and 79 nM, respectively.	302962-49-8	free base	http://www.selleckchem.com/products/Dasatinib.html
3654 / 3661 / 3668	K06	S1122	Mocetinostat (MGCD0103)	32	Epigenetics	HDAC	Mocetinostat (MGCD0103) is a potent HDAC inhibitor with most potency for HDAC1 with IC50 of 0.15 µM, 2- to 10- fold selectivity against HDAC2, 3, and 11, and no activity to HDAC4, 5, 6, 7, and 8. Phase 1/2.	726169-73-9	free base	http://www.selleckchem.com/products/MGCD0103(Mocetinostat).html
3654 / 3661 / 3668	K07	S1032	Motesanib Diphosphate (AMG-706)	175	Protein Tyrosine Kinase	VEGFR,PDGFR,c-Kit	Motesanib Diphosphate (AMG-706) is a potent ATP-competitive inhibitor of VEGFR1/2/3 with IC50 of 2 nM/3 nM/6 nM, respectively; similar activity against Kit, ~10-fold more selective for VEGFR than PDGFR and Ret. Phase 1/2.	857876-30-3	diphosphate	http://www.selleckchem.com/products/Motesanib-Diphosphate.html
3654 / 3661 / 3668	K08	S1139	ADL5859 HCl	200	Neuronal Signaling	Opioid Receptor	ADL5859 HCl is a δ-opioid receptor agonist with Ki of 0.8 nM, selectivity against opioid receptor κ, μ, and weak inhibitory activity at the hERG channel. Phase 2.	850173-95-4	hydrochloride	http://www.selleckchem.com/products/ADL-5859.html
3654 / 3661 / 3668	K09	S1041	STF-62247	198	Others	Others	STF-62247 shows selectivity and growth inhibition of renal cells lacking VHL; 25-fold greater sensitivity observed for cells with VHL deficiency compared to wild-type (VHL+).	315702-99-9	free base	http://www.selleckchem.com/products/STF-62247.html
3654 / 3661 / 3668	K10	S1150	Paclitaxel	200	Cytoskeletal Signaling	Microtubule Associated, Autophagy	Paclitaxel is a microtubule polymer stabilizer with IC50 of 0.1 pM in human endothelial cells.	33069-62-4	free base	http://www.selleckchem.com/products/Paclitaxel(Taxol).html
3654 / 3661 / 3668	K11	S1049	Y-27632 2HCl	199	Cell Cycle	Autophagy, ROCK	Y-27632 2HCl is a selective ROCK1 (p160ROCK) inhibitor with Ki of 140 nM, exhibits >200-fold selectivity over other kinases, including PKC, cAMP-dependent protein kinase, MLCK and PAK.	129830-38-2	dihydrochloric	http://www.selleckchem.com/products/Y-27632.html
3654 / 3661 / 3668	K12	S1159	Ganetespib (STA-9090)	109	Cytoskeletal Signaling	HSP (e.g. HSP90)	Ganetespib is an HSP90 inhibitor with IC50 of 4 nM in OSA 8 cells, induces apoptosis of OSA cells while normal osteoblasts are not affected; active metabolite of STA-1474.	888216-25-9	free base	http://www.selleckchem.com/products/ganetespib-sta-9090.html
3654 / 3661 / 3668	K13	S1065	GDC-0941	85	PI3K/Akt/mTOR	PI3K	GDC-0941 is a potent inhibitor of PI3Kα/δ with IC50 of 3 nM, with modest selectivity against p110β (11-fold) and p110γ (25-fold).	957054-30-7	free base	http://www.selleckchem.com/products/GDC-0941.html
3654 / 3661 / 3668	K14	S1169	TGX-221	32	PI3K/Akt/mTOR	PI3K	TGX-221 is a p110β-specific inhibitor with IC50 of 5 nM, 1000-fold more selective for p110β than p110α.	663619-89-4	free base	http://www.selleckchem.com/products/TGX-221.html
3654 / 3661 / 3668	K15	S1075	SB216763	61	PI3K/Akt/mTOR	GSK-3	SB216763 is a potent and selective GSK-3 inhibitor with IC50 of 34.3 nM for GSK-3α and equally effective at inhibiting human GSK-3β.	280744-09-4	free base	http://www.selleckchem.com/products/SB-216763.html
3654 / 3661 / 3668	K16	S1178	Regorafenib (BAY 73-4506)	200	Protein Tyrosine Kinase	c-RET, VEGFR	Regorafenib (BAY 73-4506) is a multi-target inhibitor for VEGFR1, VEGFR2, VEGFR3, PDGFRβ, Kit, RET and Raf-1 with IC50 of 13 nM/4.2 nM/46 nM, 22 nM, 7 nM, 1.5 nM and 2.5 nM, respectively.	755037-03-7	free base	http://www.selleckchem.com/products/BAY-73-4506.html
3654 / 3661 / 3668	K17	S1087	Iniparib (BSI-201)	198	DNA Damage	PARP	BSI-201 (Iniparib, SAR240550) is a PARP1 inhibitor with demonstrated effectiveness in triple-negative breast cancer (TNBC). Phase 3.	160003-66-7	free base	http://www.selleckchem.com/products/BSI-201.html
3654 / 3661 / 3668	K18	S1190	Bicalutamide	199	Endocrinology & Hormones	Androgen Receptor	Bicalutamide is an androgen receptor (AR) antagonist with IC50 of 0.16 µM.	90357-06-5	free base	http://www.selleckchem.com/products/Bicalutamide(Casodex).html
3654 / 3661 / 3668	K19	S1095	LAQ824 (Dacinostat)	200	Epigenetics	HDAC	LAQ824 (Dacinostat) is a novel HDAC inhibitor with IC50 of 32 nM and is known to activate the p21 promoter.	404951-53-7	free base	http://www.selleckchem.com/products/LAQ824(NVP-LAQ824).html
3654 / 3661 / 3668	K20	S1200	Decitabine	201	Epigenetics	DNA Methyltransferase	Decitabine is a potent inhibitor of DNA methylation with IC50 of 438 nM and 4.38 nM in HL-60 and KG1a cells, respectively.	2353-33-5	free base	http://www.selleckchem.com/products/Decitabine.html
3654 / 3661 / 3668	K21	S1104	GDC-0879	200	MAPK	Raf	GDC-0879 is a novel, potent, and selective B-Raf inhibitor with IC50 of 0.13 nM with activity against c-Raf as well; no inhibition known to other protein kinases.	905281-76-7	free base	http://www.selleckchem.com/products/GDC-0879.html
3654 / 3661 / 3668	K22	S1209	Fluorouracil (5-Fluoracil, 5-FU)	199	DNA Damage	DNA/RNA Synthesis	Fluorouracil (5-Fluoracil, 5-FU) is an DNA/RNA synthesis inhibitor, which interrupts nucleotide synthesis by inhibiting thymidylate synthase (TS).	51-21-8	free base	http://www.selleckchem.com/products/Adrucil(5-Fluorouracil).html
3654 / 3661 / 3668	L03	S1222	Dexrazoxane HCl (ICRF-187, ADR-529)	200	Others	Others	A cardioprotective agent	149003-01-0	hydrochloride	http://www.selleckchem.com/products/Dexrazoxane-Hydrochloride.html
3654 / 3661 / 3668	L04	S1403	Tigecycline	170	Others	Others	Tigecycline is bacteriostatic and is a protein synthesis inhibitor by binding to the 30S ribosomal subunit of bacteria and thereby blocking entry of Aminoacyl-tRNA into the A site of the ribosome during prokaryotic translation.	220620-09-7	free base	http://www.selleckchem.com/products/Tigecycline.html
3654 / 3661 / 3668	L05	S1234	AG-1024	199	Protein Tyrosine Kinase	IGF-1R	AG-1024 (Tyrphostin) inhibits IGF-1R autophosphorylation with IC50 of 7 µM, is less potent to IR with IC50 of 57 µM and specifically distinguishes between InsR and IGF-1R (as compared to other tyrphostins).	65678-07-1	free base	http://www.selleckchem.com/products/ag-1024-tyrphostin.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3654 / 3661 / 3668	L06	S1425	Ranolazine 2HCl	199	Transmembrane Transporters	Calcium Channel	Ranolazine 2HCl, is an antianginal medication.	95635-56-6	dihydrochloride	http://www.selleckchem.com/products/Ranolazine-dihydrochloride.html
3654 / 3661 / 3668	L07	S1250	Enzalutamide (MDV3100)	200	Endocrinology & Hormones	Androgen Receptor	Enzalutamide (MDV3100) is an androgen-receptor (AR) antagonist with IC50 of 36 nM.	915087-33-1	free base	http://www.selleckchem.com/products/MDV3100.html
3654 / 3661 / 3668	L08	S1450	Nanchangmycin	194	Others	Others	Nanchangmycin (dianemycin) is a polyether antibiotic with similar structure to dianemycin and is very active against a broad spectrum of harmful nematodes and insects but not for mammals and plants.	65101-87-3	free base	http://www.selleckchem.com/products/Nanchangmycin.html
3654 / 3661 / 3668	L09	S1264	PD173074	190	Angiogenesis	VEGFR,FGFR	PD173074 is a potent FGFR1 inhibitor with IC50 of ~25 nM and also inhibits VEGFR2 with IC50 of 100-200 nM, ~1000-fold selective for FGFR1 than PDGFR and c-Src.	219580-11-7	free base	http://www.selleckchem.com/products/PD-173074.html
3654 / 3661 / 3668	L10	S1458	VX-745	34	MAPK	p38 MAPK	VX-745 is a potent and selective inhibitor of p38 α with IC50 of 10 nM, 22-fold greater selectivity versus p38 β and no inhibition to p38 γ .	209410-46-8	free base	http://www.selleckchem.com/products/VX-745.html
3654 / 3661 / 3668	L11	S1283	Asenapine	199	Neuronal Signaling	5-HT Receptor,Adrenergic Receptor	Asenapine inhibits adrenergic receptor (α 1, α 2A, α 2B, α 2C) with Ki of 0.25-1.2 nM and also inhibits 5-HT receptor (1A, 1B, 2A, 2B, 2C, 5A, 6, 7) with Ki of 0.03-4.0 nM.	85650-56-2	maleate	http://www.selleckchem.com/products/Asenapine.html
3654 / 3661 / 3668	L12	S1472	Safinamide Mesylate	200	Metabolism	MAO	Safinamide Mesylate is mesylate salt of Safinamide, selectively and reversibly inhibits MAO-B with IC50 of 98 nM, exhibits 5918-fold selectivity against MAO-A. Phase 3.	202825-46-5	mesylate	http://www.selleckchem.com/products/Safinamide-mesylate.html
3654 / 3661 / 3668	L13	S1297	Epothilone A	200	Cytoskeletal Signaling	Microtubule Associated	Epothilone A is a Taxol-like microtubule-stabilizing agent with EC0.01 of 2 μ M.	152044-53-6	free base	http://www.selleckchem.com/products/Epothilone-A.html
3654 / 3661 / 3668	L14	S1484	MC1568	41	Cytoskeletal Signaling	HDAC	MC1568 is a selective HDAC inhibitor for maize HD1-A with IC50 of 100 nM. It is 34-fold more selective for HD1-A than HD1-B.	852475-26-4	free base	http://www.selleckchem.com/products/MC1568.html
3654 / 3661 / 3668	L15	S1326	Edaravone	200	Others	Others	Edaravone, a strong novel free radical scavenger, is used for treatment of patients with acute brain infarction.	89-25-8	free base	http://www.selleckchem.com/products/Edaravone.html
3654 / 3661 / 3668	L16	S1497	Pralatrexate	58	Metabolism	DHFR	Pralatrexate(Folotyln) is an antifolate, and structurally a folate analog. Its IC50 is < 300 nM in some cell lines.	146464-95-1	free base	http://www.selleckchem.com/products/Pralatrexate(Folotyln).html
3654 / 3661 / 3668	L17	S1358	Loratadine	44	Neuronal Signaling	Histamine Receptor	Loratadine is a selective inverse peripheral histamine H1-receptor agonist with an IC50 of >32 μ M.	79794-75-5	free base	http://www.selleckchem.com/products/Loratadine.html
3654 / 3661 / 3668	L18	S1514	Cyclosporine	123	Others	Others	Cyclosporine (Neoral) is an immunosuppressant drug.	79217-60-0	free base	http://www.selleckchem.com/products/Cyclosporine.html
3654 / 3661 / 3668	L19	S1376	Gestodene	199	Endocrinology & Hormones	Estrogen/progesterone Receptor	Gestodene is a progestogen hormonal contraceptive.	60282-87-3	free base	http://www.selleckchem.com/products/Gestodene.html
3654 / 3661 / 3668	L20	S1528	LY2811376	49	Proteases	Beta Amyloid,Gamma-secretase	LY2811376 is the first orally available non-peptidic β -secretase(BACE1) inhibitor with IC50 of 239 nM-249 nM, that act to decrease A β secretion with EC50 of 300 nM, demonstrated to have 10-fold selectivity towards BACE1 over BACE2, and more than 50-fold inhibition over other aspartic proteases including cathepsin D, pepsin, or renin. Phase 1.	1194044-20-6	free base	http://www.selleckchem.com/products/LY2811376.html
3654 / 3661 / 3668	L21	S1387	Naftopidil DiHCl	88	Neuronal Signaling	Adrenergic Receptor	Naftopidil DiHCl is a selective 5-HT1A and α 1-adrenergic receptor antagonist with IC50 of 0.1 μ M and 0.2 μ M, respectively. Phase 3.	57149-08-3	dihydrochloride	http://www.selleckchem.com/products/Naftopidil-Dihydrochloride.html
3654 / 3661 / 3668	L22	S1538	Telaprevir (VX-950)	200	Proteases	HCV Protease	Telaprevir (VX-950) is an HCV NS3-4A serine protease inhibitor with IC50 of 0.35 μ M.	402957-28-2	free base	http://www.selleckchem.com/products/Telaprevir(VX-950).html
3654 / 3661 / 3668	M03	S1007	FG-4592	201	Angiogenesis	HIF	FG-4592 is an HIF α prolyl hydroxylase inhibitor, stabilizes HIF-2 and induces EPO production. Phase 2/3.	808118-40-3	free base	http://www.selleckchem.com/products/fg-4592.html
3654 / 3661 / 3668	M04	S1114	JNJ-38877605	98	Protein Tyrosine Kinase	c-Met	JNJ-38877605 is an ATP-competitive inhibitor of c-Met with IC50 of 4 nM, 600-fold selective for c-Met than 200 other tyrosine and serine-threonine kinases. Phase 1.	943540-75-8	free base	http://www.selleckchem.com/products/JNJ-38877605.html
3654 / 3661 / 3668	M05	S1022	Ridaforolimus (Deforolimus, MK-8669)	199	PI3K/Akt/mTOR	mTOR	Ridaforolimus (Deforolimus) is a selective mTOR inhibitor with IC50 of 0.2 nM; while not classified as a prodrug, mTOR inhibition and FKBP12 binding is similar to rapamycin.	572924-54-0	free base	http://www.selleckchem.com/products/Deforolimus.html
3654 / 3661 / 3668	M06	S1124	BMS-754807	199	Protein Tyrosine Kinase	IGF-1R,Trk receptor,c-Met	BMS-754807 is a potent and reversible inhibitor of IGF-1R/InsR with IC50 of 1.8 nM/1.7 nM, less potent to Met, Aurora A/B, TrkA/B and Ron, and shows little activity to Flt3, Lck, MK2, PKA, PKC etc. Phase 1/2.	1001350-96-4	free base	http://www.selleckchem.com/products/BMS-754807.html
3654 / 3661 / 3668	M07	S1033	Nilotinib (AMN-107)	50	Angiogenesis	Bcr-Abl	Nilotinib (AMN-107) is a Bcr-Abl inhibitor with IC50 less than 30 nM.	641571-10-0	free base	http://www.selleckchem.com/products/Nilotinib.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3654 / 3661 / 3668	M08	S1140	Andarine	199	Endocrinology & Hormones	Androgen Receptor	Andarine is a selective non-steroidal androgen receptor (AR) agonist with K_i of 4 nM, tissue-selective for anabolic organs.	401900-40-1	free base	http://www.selleckchem.com/products/Andarine.html
3654 / 3661 / 3668	M09	S1042	Sunitinib Malate	28	Protein Tyrosine Kinase	VEGFR, PDGFR, c-Kit	Sunitinib Malate is a multi-targeted RTK inhibitor targeting VEGFR2 (Flk-1) and PDGFR β with IC_{50} of 80 nM and 2 nM, and also inhibits c-Kit.	341031-54-7	malate	http://www.selleckchem.com/products/Sunitinib-Malate-(Sutent).html
3654 / 3661 / 3668	M10	S1152	PLX-4720	200	MAPK	Raf	PLX4720 is a potent and selective inhibitor of B-RafV600E with IC_{50} of 13 nM, equally potent to c-Raf-1(Y340D and Y341D mutations), 10-fold selectivity for B-RafV600E than wild-type B-Raf.	918505-84-7	free base	http://www.selleckchem.com/products/PLX-4720.html
3654 / 3661 / 3668	M11	S1052	Elesclomol (STA-4783)	199	Cytoskeletal Signaling	HSP (e.g. HSP90)	Elesclomol (STA-4783) is a novel potent oxidative stress inducer that elicits pro-apoptosis events among tumor cells.	488832-69-5	free base	http://www.selleckchem.com/products/Elesclomol.html
3654 / 3661 / 3668	M12	S1162	PA-824	200	Others	Others	PA-824 is an anti-tuberculosis drug for tuberculosis with MIC less than 2.8 μ M.	187235-37-6	free base	http://www.selleckchem.com/products/pa-824.html
3654 / 3661 / 3668	M13	S1066	SL-327	11	MAPK	MEK	SL327 is a selective inhibitor for MEK1/2 with IC_{50} of 0.18 μ M/ 0.22 μ M, no activity towards Erk1, MKK3, MKK4, c-JUN, PKC, PKA, or CamKII; capable of transport through the blood-brain barrier.	305350-87-2	free base	http://www.selleckchem.com/products/SL327.html
3654 / 3661 / 3668	M14	S1170	WZ3146	200	Protein Tyrosine Kinase	EGFR	WZ3146 is a mutant-selective irreversible inhibitor of EGFR(L858R) and EGFR(E746_A750) with IC_{50} of 2 nM and 2 nM; does not inhibit ERBB2 phosphorylation (T798I).	1214265-56-1	free base	http://www.selleckchem.com/products/WZ3146.html
3654 / 3661 / 3668	M15	S1076	SB203580	198	MAPK	p38 MAPK	SB203580 is a p38 MAPK inhibitor with IC_{50} of 0.3-0.5 μ M, 10-fold less sensitive to SAPK3(106T) and SAPK4(106T) and blocks PKB phosphorylation with IC_{50} of 3-5 μ M.	152121-47-6	free base	http://www.selleckchem.com/products/SB-203580.html
3654 / 3661 / 3668	M16	S1179	WZ8040	199	Protein Tyrosine Kinase	EGFR	WZ8040 is a novel mutant-selective irreversible EGFR T790M inhibitor, does not inhibit ERBB2 phosphorylation (T798I).	1214265-57-2	free base	http://www.selleckchem.com/products/WZ8040.html
3654 / 3661 / 3668	M17	S1088	NVP-ADW742	22	Protein Tyrosine Kinase	IGF-1R	NVP-ADW742 is an IGF-1R inhibitor with IC_{50} of 0.17 μ M, >16-fold more potent against IGF-1R than InsR; little activity to HER2, PDGFR, VEGFR-2, Bcr-Abl and c-Kit.	475488-23-4	free base	http://www.selleckchem.com/products/NVP-ADW742.html
3654 / 3661 / 3668	M18	S1191	Fulvestrant	164	Endocrinology & Hormones	Estrogen/progesterone Receptor	Fulvestrant is an estrogen receptor (ER) antagonist with IC_{50} of 0.094 nM.	129453-61-8	free base	http://www.selleckchem.com/products/Fulvestrant.html
3654 / 3661 / 3668	M19	S1096	Quisinostat (JNJ-26481585)	200	Epigenetics	HDAC	JNJ-26481585 is a novel second-generation HDAC inhibitor with highest potency for HDAC1 with IC_{50} of 0.11 nM, modest potent to HDACs 2, 4, 10, and 11; greater than 30-fold selectivity against HDACs 3, 5, 8, and 9 and lowest potency to HDACs 6 and 7. Phase 2.	875320-29-9	free base	http://www.selleckchem.com/products/JNJ-26481585.html
3654 / 3661 / 3668	M20	S1201	Dimesna	199	Others	Others	Dimesna is an uroprotective agent used to decrease urotoxicity.	16208-51-8	free base	http://www.selleckchem.com/products/Dimesna.html
3654 / 3661 / 3668	M21	S1105	LY294002	117	PI3K/Akt/mTOR	Autophagy, PI3K	LY294002 is the first synthetic molecule known to inhibit PI3K α / δ / β with IC_{50} of 0.5 μ M/0.57 μ M/0.97 μ M, respectively; more stable in solution than Wortmannin, and also blocks autophagosome formation.	154447-36-6	free base	http://www.selleckchem.com/products/LY294002.html
3654 / 3661 / 3668	M22	S1210	Methotrexate	200	Metabolism	DHFR	Methotrexate is an antimetabolite and antifolate drug, which acts by inhibiting the metabolism of folic acid.	59-05-2	free base	http://www.selleckchem.com/products/Abitrexate.html
3654 / 3661 / 3668	N03	S1224	Oxaliplatin	35	DNA Damage	DNA/RNA Synthesis	Oxaliplatin inhibits DNA synthesis by conforming DNA adducts.	61825-94-3	free base	http://www.selleckchem.com/products/Eloxatin.html
3654 / 3661 / 3668	N04	S1404	Trilostane	200	Metabolism	Dehydrogenase	Trilostane is an inhibitor of 3 β -hydroxysteroid dehydrogenase used in the treatment of Cushing's syndrome.	13647-35-3	free base	http://www.selleckchem.com/products/Trilostane.html
3654 / 3661 / 3668	N05	S1237	Temozolomide	200	Ubiquitin	Autophagy	Temozolomide is a DNA damage inducer.	85622-93-1	free base	http://www.selleckchem.com/products/Methazolastone.html
3654 / 3661 / 3668	N06	S1426	Repaglinide	201	Transmembrane Transporters	Potassium Channel	Repaglinide is for the treatment of type II diabetes.	135062-02-1	free base	http://www.selleckchem.com/products/Repaglinide.html
3654 / 3661 / 3668	N07	S1251	Dienogest	199	Endocrinology & Hormones	Estrogen/progesterone Receptor	Dienogest is an orally active synthetic progesterone (or progestin).	65928-58-7	free base	http://www.selleckchem.com/products/Dienogest.html
3654 / 3661 / 3668	N08	S1451	Aurora A Inhibitor I	200	Cell Cycle	Aurora Kinase	Aurora A Inhibitor I is a novel, potent, and selective inhibitor of Aurora A with IC_{50} of 3.4 nM. It is 1000-fold more selective for Aurora A than Aurora B.	1158838-45-9	free base	http://www.selleckchem.com/products/Aurora-A-Inhibitor-I.html
3654 / 3661 / 3668	N09	S1266	WYE-354	199	PI3K/Akt/mTOR	mTOR	WYE-354 is a potent, specific and ATP-competitive inhibitor of mTOR with IC_{50} of 5 nM, blocks mTORC1/P-S6K(T389) and mTORC2/P-AKT(S473) not P-AKT(T308), selective for mTOR than PI3K α (>100-fold) and PI3K γ (>500-fold).	1062169-56-5	free base	http://www.selleckchem.com/products/WYE-354.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3654 / 3661 / 3668	N10	S1459	Thiazovivin	48	Cell Cycle	ROCK	Thiazovivin (Tzv) is a novel ROCK inhibitor with IC50 of 0.5 µM, promotes hESC survival after single-cell dissociation.	1226056-71-8	free base	http://www.selleckchem.com/products/Thiazovivin.html
3654 / 3661 / 3668	N11	S1285	Biperiden HCl	10	Neuronal Signaling	AChR	Biperiden is an antiparkinsonian agent of the anticholinergic type.	1235-82-1	hydrochloride	http://www.selleckchem.com/products/Biperiden-hydrochloride.html
3654 / 3661 / 3668	N12	S1474	GSK429286A	201	Cell Cycle	ROCK	GSK429286A is a selective inhibitor of ROCK1 and ROCK2 with IC50 of 14 nM and 63 nM, respectively.	864082-47-3	free base	http://www.selleckchem.com/products/GSK429286A.html
3654 / 3661 / 3668	N13	S1299	Floxuridine	199	DNA Damage	DNA/RNA Synthesis	Floxuridine is a prodrugs of floxuridine and an oncology agent with an GI50 of 5.1 µM for the inhibition of MDCK/PEPT1.	50-91-9	free base	http://www.selleckchem.com/products/Floxuridine.html
3654 / 3661 / 3668	N14	S1485	HMN-214	28	Cell Cycle	PLK	HMN-214 is a prodrug of HMN-176, which alters the cellular spatial orientation of Plk1.	173529-46-9	free base	http://www.selleckchem.com/products/HMN-214.html
3654 / 3661 / 3668	N15	S1329	Etomidate	200	Neuronal Signaling	GABA Receptor	Etomidate is a GABAA receptors agonist at GABAA receptors.	33125-97-2	free base	http://www.selleckchem.com/products/Etomidate.html
3654 / 3661 / 3668	N16	S1500	Betamethasone	201	Others	Others	Betamethasone is a glucocorticoid steroid with anti-inflammatory and immunosuppressive properties.	378-44-9	free base	http://www.selleckchem.com/products/Betamethasone-(Celestone).html
3654 / 3661 / 3668	N17	S1360	GSK1059615	10	PI3K/Akt/mTOR	PI3K,mTOR	GSK1059615 is a dual inhibitor of PI3Kα/β/δ/γ (reversible) and mTOR with IC50 of 0.4 nM/0.6 nM/5 nM and 12 nM, respectively. Phase 1.	958852-01-2	free base	http://www.selleckchem.com/products/GSK1059615.html
3654 / 3661 / 3668	N18	S1515	Pracinostat (SB939)	200	Cytoskeletal Signaling	HDAC	SB939 is a potent pan-HDAC inhibitor with IC50 of 40-140 nM with exception for HDAC6. It has no activity against the class III isoenzyme SIRT1. Phase 2.	929016-96-6	free base	http://www.selleckchem.com/products/SB939.html
3654 / 3661 / 3668	N19	S1377	Drospirenone	199	Endocrinology & Hormones	Estrogen/progesterone Receptor	Drospirenone is a synthetic progestin that is an analog to spironolactone.	67392-87-4	free base	http://www.selleckchem.com/products/Drospirenone.html
3654 / 3661 / 3668	N20	S1529	Hesperadin	199	Cell Cycle	Aurora Kinase	Hesperadin potently inhibits Aurora B with IC50 of 250 nM. It markedly reduces the activity of AMPK, Lck, MKK1, MAPKAP-K1, CHK1 and PHK while it does not inhibit MKK1 activity in vivo.	422513-13-1	free base	http://www.selleckchem.com/products/Hesperadin.html
3654 / 3661 / 3668	N21	S1390	Ondansetron HCl	200	Neuronal Signaling	5-HT Receptor	Ondansetron HCl is a serotonin 5-HT3 receptor antagonist.	99614-01-4	hydrochloride	http://www.selleckchem.com/products/Ondansetron-hydrochloride.html
3654 / 3661 / 3668	N22	S1540	Saxagliptin	199	Proteases	DPP-4	Saxagliptin is a selective and reversible DPP4 inhibitor with IC50 of 26 nM.	361442-04-8	free base	http://www.selleckchem.com/products/Saxagliptin(Onglyza).html
3654 / 3661 / 3668	O03	S1008	Selumetinib (AZD6244)	201	MAPK	MEK	Selumetinib (AZD6244) is a potent, highly selective MEK1 inhibitor with IC50 of 14 nM, also inhibits ERK1/2 phosphorylation with IC50 of 10 nM, no inhibition to p38α, MKK6, EGFR, ErbB2, ERK2, B-Raf, etc. Phase 1/2.	606143-52-6	free base	http://www.selleckchem.com/products/AZD6244.html
3654 / 3661 / 3668	O04	S1115	Odanacatib (MK-0822)	190	Others	Cathepsin K	Odanacatib (MK 0822) is a potent, selective, and neutral inhibitor of cathepsin K (human/rabbit) with IC50 of 0.2 nM/1 nM, and demonstrated high selectivity versus off-target cathepsin B, L, S. Phase 3.	603139-19-1	free base	http://www.selleckchem.com/products/Odanacatib-(MK0822).html
3654 / 3661 / 3668	O05	S1023	Erlotinib HCl (OSI-744)	10	Protein Tyrosine Kinase	Autophagy,EGFR	Erlotinib HCl (OSI-744) is an EGFR inhibitor with IC50 of 2 nM, >1000-fold more sensitive for EGFR than human c-Src or v-Abl. Phase 3.	183319-69-9	hydrochloride	http://www.selleckchem.com/products/Erlotinib-Hydrochloride.html
3654 / 3661 / 3668	O06	S1129	SRT1720	75	Epigenetics	Sirtuin	SRT1720 is a selective SIRT1 activator with EC50 of 0.16 µM, but is >230-fold less potent for SIRT2 and SIRT3.	1001645-58-4	hydrochloride	http://www.selleckchem.com/products/SRT1720.html
3654 / 3661 / 3668	O07	S1034	NVP-AEW541	200	Protein Tyrosine Kinase	IGF-1R	NVP-AEW541 is a potent inhibitor of IGF-1R with IC50 of 86 nM, 27-fold greater selectivity for IGF-1R than InsR.	475489-16-8	free base	http://www.selleckchem.com/products/NVP-AEW541.html
3654 / 3661 / 3668	O08	S1141	17-AAG (Tanespimycin)	199	Cytoskeletal Signaling	HSP (e.g. HSP90)	17-AAG is a potent HSP90 inhibitor with IC50 of 5 nM, having a 100-fold higher binding affinity for HSP90 derived from tumour cells than HSP90 from normal cells.	75747-14-7	free base	http://www.selleckchem.com/products/17-AAG(Geldanamycin).html
3654 / 3661 / 3668	O09	S1043	Tandutinib (MLN518)	10	Angiogenesis	FLT3	Tandutinib (MLN518, CT53518) is a potent FLT3 antagonist with IC50 of 0.22 µM, also inhibits PDGFR and c-Kit, 15 to 20-fold higher potency for FLT3 versus CSF-1R and >100-fold selectivity for the same target versus FGFR, EGFR and KDR. Phase 1/2.	387867-13-2	free base	http://www.selleckchem.com/products/Tandutinib-(MLN518).html
3654 / 3661 / 3668	O10	S1153	Roscovitine (Seliciclib,CYC202)	200	Cell Cycle	CDK	Roscovitine (Seliciclib, CYC202) is a potent and selective CDK inhibitor for Cdc2, CDK2 and CDK5 with IC50 of 0.65 µM, 0.7 µM and 0.16 µM. It shows little effect on CDK4/6. Phase 2.	186692-46-6	free base	http://www.selleckchem.com/products/Roscovitine.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3654 / 3661 / 3668	O11	S1053	Entinostat (MS-275)	199	Epigenetics	HDAC	Entinostat (MS-275) strongly inhibits HDAC1 and HDAC3 with IC50 of 0.51 μ M and 1.7 μ M, compared with HDACs 4, 6, 8, and 10. Phase 1/2.	209783-80-2	free base	http://www.selleckchem.com/products/MS-275.html
3654 / 3661 / 3668	O12	S1163	AT13387	61	Cytoskeletal Signaling	HSP (e.g. HSP90)	AT13387 is a selective potent Hsp90 inhibitor with IC50 of 18 nM in A375 cells, displays a long duration of anti-tumor activity.	912999-49-6	free base	http://www.selleckchem.com/products/at13387.html
3654 / 3661 / 3668	O13	S1067	SB431542	200	TGF-beta/Smad	TGF-beta/Smad	SB431542 is a potent and selective inhibitor of ALK5 with IC50 of 94 nM, 100-fold more selective for ALK5 than p38 MAPK and other kinases.	301836-41-9	free base	http://www.selleckchem.com/products/SB-431542.html
3654 / 3661 / 3668	O14	S1171	CYC116	65	Cell Cycle	Aurora Kinase, VEGFR	CYC116 is a potent inhibitor of Aurora A/B with Ki of 8.0 nM/9.2 nM, is less potent to VEGFR2 (Ki of 44 nM), with 50-fold greater potency than CDKs, not active against PKA, Akt/PKB, PKC, no effect on GSK-3 α / β , CK2, PIK1 and SAPK2A. Phase 1.	693228-63-6	free base	http://www.selleckchem.com/products/CYC116.html
3654 / 3661 / 3668	O15	S1077	SB202190 (FHPI)	199	MAPK	p38 MAPK	SB202190 (FHPI) is a potent p38 MAPK inhibitor targeting p38 α / β with IC50 of 50 nM/100 nM, sometimes used instead of SB 203580 to investigate potential roles for SAPK2 α /p38 in vivo.	152121-30-7	free base	http://www.selleckchem.com/products/SB-202190.html
3654 / 3661 / 3668	O16	S1180	XAV-939	38	Stem Cells & Wnt	Wnt/beta-catenin	XAV-939 selectively inhibits Wnt/ β -catenin-mediated transcription through tankyrase1/2 inhibition with IC50 of 11 nM/4 nM, regulates axin levels and does not affect CRE, NF- κ B or TGF- β .	284028-89-3	free base	http://www.selleckchem.com/products/XAV-939.html
3654 / 3661 / 3668	O17	S1089	Refametinib (RDEA119, Bay 86-9766)	100	MAPK	MEK	Refametinib (RDEA119, Bay 86-9766) is a potent, ATP non-competitive and highly selective inhibitor of MEK1 and MEK2 with IC50 of 19 nM and 47 nM, respectively.	923032-37-5	Free Base	www.selleckchem.com/products/refametinib-rdea119-bay86-9766.html
3654 / 3661 / 3668	O18	S1192	Raltitrexed	200	DNA Damage	DNA/RNA Synthesis	Raltitrexed is a thymidylate synthase inhibitor with an IC50 of 9 nM for the inhibition of L1210 cell growth.	112887-68-0	free base	http://www.selleckchem.com/products/Raltitrexed.html
3654 / 3661 / 3668	O19	S1097	BTZ043 Racemate	50	Others	Others	BTZ043 racemate is a decaprenylphosphoryl- β -D-ribose 2'-epimerase (DprE1) inhibitor acting as a new antimycobacterial agent that kill Mycobacterium tuberculosis.	957217-65-1	Racemate	http://www.selleckchem.com/products/BTZ043.html
3654 / 3661 / 3668	O20	S1202	Dutasteride	117	Endocrinology & Hormones	5-alpha Reductase	Dutasteride is a dual 5- α reductase inhibitor that inhibits conversion of testosterone to dihydrotestosterone (DHT).	164656-23-9	free base	http://www.selleckchem.com/products/Dutasteride.html
3654 / 3661 / 3668	O21	S1106	OSU-03012 (AR-12)	23	PI3K/Akt/mTOR	PDK-1	OSU-03012 is a potent inhibitor of recombinant PDK-1 with IC50 of 5 μ M and 2-fold increase in potency over OSU-02067.	742112-33-0	free base	http://www.selleckchem.com/products/OSU-03012.html
3654 / 3661 / 3668	O22	S1212	Bendamustine HCl	200	Others	Others	Bendamustine HCL is a DNA-damaging agent with IC50 of 50 μ M.	3543-75-7	hydrochloride	http://www.selleckchem.com/products/Bendamustine-Hydrochloride.html
3654 / 3661 / 3668	P03	S1225	Etoposide	169	DNA Damage	Topoisomerase	Etoposide is a semisynthetic derivative of podophyllotoxin, which inhibits DNA synthesis via topoisomerase II inhibition activity.	33419-42-0	free base	http://www.selleckchem.com/products/Etoposide.html
3654 / 3661 / 3668	P04	S1405	Vecuronium Bromide	200	Others	Others	Vecuronium Bromide is a muscle relaxant in the category of non-depolarizing blocking agents.	50700-72-6	bromide	http://www.selleckchem.com/products/Vecuronium-Bromide.html#
3654 / 3661 / 3668	P05	S1241	Vincristine	108	Cytoskeletal Signaling	Microtubule Associated, Autophagy	Vincristine is an inhibitor of polymerization of microtubules by binding to tubulin with IC50 of 32 μ M.	2068-78-2	sulfate	http://www.selleckchem.com/products/Vincristine-Sulfate.html
3654 / 3661 / 3668	P06	S1430	Rolipram	199	Metabolism	PDE	Rolipram is a PDE4-inhibitor and an anti-inflammatory agent.Phase 1.	61413-54-5	free base	http://www.selleckchem.com/products/Rolipram.html
3654 / 3661 / 3668	P07	S1255	Nepafenac	200	Others	Others	Nepafenac is a non-steroidal anti-inflammatory agent.	78281-72-8	free base	http://www.selleckchem.com/products/Nepafenac.html
3654 / 3661 / 3668	P08	S1452	Ispinesib (SB-715992)	199	Cytoskeletal Signaling	Kinesin	Ispinesib (SB-715992, CK0238273) is a potent, specific and reversible inhibitor of kinesin spindle protein (KSP) with Ki app of 1.7 nM, no inhibition to CENP-E, RabK6, MCAK, MKLP1, KHC or Kif1A. Phase 1/2.	336113-53-2	free base	http://www.selleckchem.com/products/Ispinesib-mesilate(SB-715992).html
3654 / 3661 / 3668	P09	S1267	Vemurafenib (PLX4032, RG7204)	200	MAPK	Raf	Vemurafenib (PLX4032, RG7204) is a novel and potent inhibitor of B-RafV600E with IC50 of 31 nM.	918504-65-1	free base	http://www.selleckchem.com/products/PLX-4032.html
3654 / 3661 / 3668	P10	S1460	SP600125	199	MAPK	JNK	SP600125 is a broad-spectrum JNK inhibitor for JNK1, JNK2 and JNK3 with IC50 of 40 nM, 40 nM and 90 nM, respectively; 10-fold greater selectivity against MKK4, 25-fold greater selectivity against MKK3, MKK6, PKB, and PKC α , and 100-fold selectivity against ERK2, p38, Chk1, EGFR etc.	129-56-6	free base	http://www.selleckchem.com/products/SP600125.html
3654 / 3661 / 3668	P11	S1286	Budesonide	199	Others	Others	Budesonide is a glucocorticoid steroid for the treatment of asthma, non-infectious rhinitis.	51333-22-3	free base	http://www.selleckchem.com/products/Budesonide.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3654 / 3661 / 3668	P12	S1475	Pimasertib (AS-703026)	199	MAPK	MEK	AS-703026 is a highly selective, potent, ATP non-competitive allosteric inhibitor of MEK1/2 with IC50 of 5 nM-2 µM in MM cell lines. Phase 1/2.	1236699-92-5	free base	http://www.selleckchem.com/products/AS703026.html
3654 / 3661 / 3668	P13	S1300	FT-207 (NSC 148958)	199	DNA Damage	DNA/RNA Synthesis	FT-207 (NSC 148958) is a substance being used in the treatment of some types of cancer.	17902-23-7	free base	http://www.selleckchem.com/products/Florafur.html
3654 / 3661 / 3668	P14	S1486	AEE788 (NVP-AEE788)	199	Protein Tyrosine Kinase	HER2,VEGFR,EGFR	AEE788 is a potent inhibitor of EGFR and HER2/ErbB2 with IC50 of 2 nM and 6 nM, less potent to VEGFR2/KDR, c-Abl, c-Src, and Flt-1, does not inhibit Ins-R, IGF-1R, PKCα and CDK1. Phase 1/2.	497839-62-0	free base	http://www.selleckchem.com/products/AEE788.html
3654 / 3661 / 3668	P15	S1331	Fluconazole	199	Others	Others	Fluconazole is a triazole antifungal drug used in the treatment and prevention of superficial and systemic fungal infections.	86386-73-4	free base	http://www.selleckchem.com/products/Fluconazole.html
3654 / 3661 / 3668	P16	S1501	Mycophenolate Mofetil	200	Metabolism	Dehydrogenase	Mycophenolate Mofetil is a non-competitive, selective and reversible inhibitor of inosine monophosphate dehydrogenase I/II with IC50 of 39 nM and 27 nM, respectively.	128794-94-5	free base	http://www.selleckchem.com/products/Mycophenolate-mofetil-(CellCept).html
3654 / 3661 / 3668	P17	S1361	MGCD-265	200	Protein Tyrosine Kinase	Tie-2,VEGFR,c-Met	MGCD-265 is a potent, multi-target and ATP-competitive inhibitor of c-Met and VEGFR1/2/3 with IC50 of 1 nM, 3 nM/3 nM/4 nM, respectively; also inhibits Ron and Tie2. Phase 1/2.	875337-44-3	free base	http://www.selleckchem.com/products/MGCD-265.html
3654 / 3661 / 3668	P18	S1517	Natamycin	10	Others	Others	Natamycin is a naturally occurring antifungal agent.	7681-93-8	free base	http://www.selleckchem.com/products/Natamycin(Pimaricin).html
3654 / 3661 / 3668	P19	S1378	Ruxolitinib (INCB018424)	199	JAK/STAT	JAK	INCB018424 is the first potent, selective, JAK1/2 inhibitor to enter the clinic with IC50 of 3.3 nM/2.8 nM, >130-fold selectivity for JAK1/2 versus JAK3. Phase 3.	941678-49-5	free base	http://www.selleckchem.com/products/INCB18424.html
3654 / 3661 / 3668	P20	S1530	BIX 02188	104	MAPK	MEK	BIX02188 is a selective inhibitor of MEK5 with IC50 of 4.3 nM, also inhibits ERK5 catalytic activity with IC50 of 810 nM, and does not inhibit closely related kinases MEK1, MEK2, ERK2, and JNK2.	1094614-84-2	free base	http://www.selleckchem.com/products/BIX-02188.html
3654 / 3661 / 3668	P21	S1392	Pelitinib (EKB-569)	27	Protein Tyrosine Kinase	EGFR	Pelitinib (EKB-569) is a potent irreversible EGFR inhibitor with IC50 of 38.5 nM. Phase2.	257933-82-7	free base	http://www.selleckchem.com/products/Pelitinib.html
3654 / 3661 / 3668	P22	S1541	EX 527 (Sellsistat)	201	Epigenetics	Sirtuin	EX 527 is a potent and selective SIRT1 inhibitor with IC50 of 38 nM, exhibits >200-fold selectivity against SIRT2 and SIRT3.	49843-98-3	free base	http://www.selleckchem.com/products/EX-527.html
3655 / 3662 / 3669	A03	S1545	SB408124	101	GPCR & G Protein	OX Receptor	SB408124 (Tocris-1963) is a non-peptide antagonist for OX1 receptor with Ki of 57 nM and 27 nM in both whole cell and membrane, respectively, exhibits 50-fold selectivity over OX2 receptor.	288150-92-5	free base	http://www.selleckchem.com/products/SB-408124.html
3655 / 3662 / 3669	A04	S1712	Deferasirox	200	Others	Others	Deferasirox(Exjade) is a rationally-designed oral iron chelator.	201530-41-8	free base	http://www.selleckchem.com/products/Deferasirox(Exjade).html
3655 / 3662 / 3669	A05	S1558	AT7867	201	PI3K/Akt/mTOR	S6 Kinase,Akt	AT7867 is a potent ATP-competitive inhibitor of Akt1/2/3 and p70S6/PKA with IC50 of 32 nM/17 nM/47 nM and 85 nM/20 nM, respectively; little activity outside the AGC kinase family.	857531-00-1	free base	http://www.selleckchem.com/products/AT7867.html
3655 / 3662 / 3669	A06	S1725	Terbinafine	199	Others	Others	Terbinafine(Lamisil, Terbinex) is used to treat infections caused by a fungus. It works by killing the fungus or preventing its growth.	91161-71-6	free base	http://www.selleckchem.com/products/Terbinafine(Lamisil).html
3655 / 3662 / 3669	A07	S1573	Fasudil (HA-1077) HCl	15	Cell Cycle	ROCK, Autophagy	Fasudil (HA-1077) is a potent inhibitor of ROCK-II, PKA, PKG, PKC, and MLCK with Ki of 0.33 µM, 1.6 µM, 1.6 µM, 3.3 µM and 36 µM, respectively.	105628-07-7	hydrochloride	http://www.selleckchem.com/products/Fasudil-HCl(HA-1077).html
3655 / 3662 / 3669	A08	S1737	Prednisolone	199	Others	Others	Prednisolone(Hydroretrocortine) is a synthetic glucocorticoid with anti-inflammatory and immunomodulating properties.	50-24-8	free base	http://www.selleckchem.com/products/Prednisolone(Hydroretrocortine).html
3655 / 3662 / 3669	A09	S1594	Semagacestat (LY450139)	199	Proteases	Gamma-secretase	Semagacestat (LY450139) is a γ-secretase blocker for Aβ42, Aβ40 and Aβ38 with IC50 of 10.9 nM, 12.1 nM and 12.0 nM, also inhibits Notch signaling with IC50 of 14.1 nM. Phase 3.	425386-60-3	free base	http://www.selleckchem.com/products/Semagacestat(LY450139).html
3655 / 3662 / 3669	A10	S1762	Pyrazinamide	203	Others	Others	Pyrazinamide is an agent used to treat tuberculosis.	98-96-4	free base	http://www.selleckchem.com/products/Pyrazinamide(Pyrazinoic-acid-amide).html
3655 / 3662 / 3669	A11	S1618	Sulfameter	199	Others	Others	Sulfameter(Bayrena) is a long-acting sulfonamide antibacterial.	651-06-9	free base	http://www.selleckchem.com/products/Sulfameter(Bayrena).html
3655 / 3662 / 3669	A12	S1784	Vidarabine	198	Others	Others	Vidarabine(Vira-A) is an antiviral drug which is active against herpes simplex and varicella zoster viruses.	5536-17-4	free base	http://www.selleckchem.com/products/Vidarabine(Vira-A).html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3655 / 3662 / 3669	A13	S1629	Orlistat	199	Others	Others	Orlistat is a general lipase inhibitor with IC50 of 122 ng/ml for PL from human duodenal juice.	96829-58-2	free base	http://www.selleckchem.com/products/Orlistat(Alli).html
3655 / 3662 / 3669	A14	S1806	Acipimox	201	Others	Others	Acipimox is a niacin derivative used as a hypolipidemic agent.	51037-30-0	free base	http://www.selleckchem.com/products/Acipimox.html
3655 / 3662 / 3669	A15	S1644	Nitrofurantoin	201	Others	Others	Nitrofurantoin is a topical anti-infective agent with an IC50 of 22.83 ± 1.2 µM. (Rat LD50 = 590 mg/kg)	59-87-0	free base	http://www.selleckchem.com/products/Nitrofurantoin(ACIN-N).html
3655 / 3662 / 3669	A16	S1833	Butoconazole nitrate	200	Others	Others	Butoconazole nitrate is an anti-fungal agent for IL-2, TNFα, IFN and GM-CSF with IC50 of 7.2 µg/mL, 14.4 µg/mL, 7.36 µg/mL and 7.6 µg/mL, respectively.	64872-77-1	nitrate	http://www.selleckchem.com/products/butoconazole-nitrate.html
3655 / 3662 / 3669	A17	S1658	Dofetilide	199	Others	Others	Dofetilide(Tikosyn) is a class III antiarrhythmic agent.	115256-11-6	free base	http://www.selleckchem.com/products/Dofetilide(Tikosyn).html
3655 / 3662 / 3669	A18	S1849	Daidzein	200	Others	Others	Daidzein belongs to the group of isoflavones.	486-66-8	free base	http://www.selleckchem.com/products/Daidzein.html
3655 / 3662 / 3669	A19	S1673	Aminophylline	126	Metabolism	PDE	Aminophylline is a competitive nonselective phosphodiesterase inhibitor with an IC50 of 0.12 mM and also a nonselective adenosine receptor antagonist.	317-34-0	ethylenediamine	http://www.selleckchem.com/products/Aminophylline(Truphylline).html
3655 / 3662 / 3669	A20	S1883	Idoxuridine	10	Others	Others	Idoxuridine is an antiviral agent for feline herpesvirus type-1 with IC50 of 4.3 µM.	54-42-2	free base	http://www.selleckchem.com/products/Idoxuridine.html
3655 / 3662 / 3669	A21	S1692	Busulfan	198	Others	Others	Busulfan(Myleran, Busulfex) is a cell cycle non-specific alkylating antineoplastic agent.	55-98-1	free base	http://www.selleckchem.com/products/Busulfan(Busulfex).html
3655 / 3662 / 3669	A22	S1903	Diclofenac Sodium	201	Neuronal Signaling	COX	Diclofenac Sodium is a non-selective COX inhibitor with IC50 of 60 and 220 nM for ovine COX-1 and -2, respectively.	15307-79-6	sodium	http://www.selleckchem.com/products/Diclofenac-sodium.html
3655 / 3662 / 3669	B03	S1916	Sulfisoxazole	198	Others	Others	Sulfisoxazole is a sulfonamide antibacterial with an oxazole substituent.	127-69-5	free base	http://www.selleckchem.com/products/Sulfisoxazole.html
3655 / 3662 / 3669	B04	S2134	AZD8330	199	MAPK	MEK	AZD8330 is a novel, selective, non-ATP competitive MEK 1/2 inhibitor with IC50 of 7 nM. Phase 1.	869357-68-6	free base	http://www.selleckchem.com/products/AZD8330(ARRY-424704).html
3655 / 3662 / 3669	B05	S1952	Methoxsalen	198	Others	Others	Methoxsalen (Oxsoresalen) a naturally occurring furocoumarin compound found in several species of plants, including Psoralea corylifolia, is an agent used to treat psoriasis, eczema, vitiligo and some cutaneous Lymphomas in conjunction with exposing the skin to sunlight.	298-81-7	free base	http://www.selleckchem.com/products/Methoxsalen(Oxsoresalen).html
3655 / 3662 / 3669	B06	S2161	RAF265 (CHIR-265)	192	MAPK	VEGFR,Raf	RAF265 (CHIR-265) is a potent selective inhibitor of C-Raf/B-Raf/RAF-1 with IC50 of 3-60 nM, and exhibits potent inhibition on VEGFR2 phosphorylation with EC50 of 30 nM. Phase 2.	927880-90-8	free base	http://www.selleckchem.com/products/RAF265(CHIR-265).html
3655 / 3662 / 3669	B07	S1974	Meglumine	199	Others	Others	Meglumine is an amino sugar derived from sorbitol for THP-1 cells with IC50 of 22 µg/mL.	6284-40-8	free base	http://www.selleckchem.com/products/meglumine.html
3655 / 3662 / 3669	B08	S2182	SB743921	200	Cytoskeletal Signaling	Kinesin	SB743921 is a kinesin spindle protein (KSP) inhibitor with Ki of 0.1 nM, almost no affinity to MKLP1, Kin2, Kif1A, Kif15, KHC, Kif4 and CENP-E. Phase 1/2.	940929-33-9	hydrochloride	http://www.selleckchem.com/products/SB-743921.html
3655 / 3662 / 3669	B09	S2005	Raltegravir (MK-0518)	200	Microbiology	Integrase	Raltegravir (MK-0518) is a potent integrase (IN) inhibitor for WT and S217Q PFV IN with IC50 of 90 nM and 40 nM, respectively.	518048-05-0	free base	http://www.selleckchem.com/products/Raltegravir-(MK-0518).html
3655 / 3662 / 3669	B10	S2201	BMS-794833	200	Protein Tyrosine Kinase	VEGFR,c-Met	BMS-794833 is a potent ATP competitive inhibitor of Met/VEGFR2 with IC50 of 1.7 nM/15 nM, also inhibits Ron, Axl and Flt3 with IC50 of <3 nM; a prodrug of BMS-817378. Phase 1.	1174046-72-0	free base	http://www.selleckchem.com/products/BMS-794833.html
3655 / 3662 / 3669	B11	S2026	Ginkgolide A	200	Neuronal Signaling	GABA Receptor	Ginkgolide A is an extract from in Ginkgo biloba and a g-aminobutyric acid (GABA) antagonist with a Ki of 14.5 µM.	15291-75-5	free base	http://www.selleckchem.com/products/ginkgolide-a.html
3655 / 3662 / 3669	B12	S2218	PP242	201	PI3K/Akt/mTOR	mTOR, Autophagy	PP242 is a selective mTOR inhibitor with IC50 of 8 nM; targets both mTOR complexes with >10- and 100-fold selectivity for mTOR than PI3Kδ or PI3Kα/β/γ, respectively.	1092351-67-1	free base	http://www.selleckchem.com/products/PP242.html
3655 / 3662 / 3669	B13	S2038	Phentolamine Mesylate	201	Neuronal Signaling	Adrenergic Receptor	Phentolamine Mesylate is a nonselective alpha-adrenergic antagonist with IC50 of 0.1 µM.	65-28-1	mesylate	http://www.selleckchem.com/products/phentolamine-mesylate.html
3655 / 3662 / 3669	B14	S2229	Eltrombopag	201	Others	Others	Eltrombopag is a member of the biarylhydrazone class, which is a nonpeptide agonist of the thrombopoietin receptor (TpoR).	496775-61-2	free base	http://www.selleckchem.com/products/Eltrombopag-SB-497115-GR.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3655 / 3662 / 3669	B15	S2055	Gimeracil	199	Metabolism	Dehydrogenase	Gimeracil is an inhibitor of dihydropyrimidine dehydrogenase, which inhibits the early step in homologous recombination for double strand breaks repair.	103766-25-2	free base	http://www.selleckchem.com/products/gimeracil.html
3655 / 3662 / 3669	B16	S2244	AR-42	201	Epigenetics	HDAC	AR-42 is an HDAC inhibitor with IC50 30 nM.	935881-37-1	free base	http://www.selleckchem.com/products/AR-42-HDAC-42.html
3655 / 3662 / 3669	B17	S2066	Moxonidine	99	Others	Others	Moxonidine is a selective agonist at the imidazoline receptor subtype 1, used as antihypertensive agent.	75438-57-2	free base	http://www.selleckchem.com/products/moxonidine.html
3655 / 3662 / 3669	B18	S2261	Andrographolide	199	Others	Others	Andrographolide is a labdane diterpenoid that is the main bioactive component of the medicinal plant Andrographis paniculata.	5508-58-7	free base	http://www.selleckchem.com/products/Andrographolide.html
3655 / 3662 / 3669	B19	S2097	Ambrisentan	200	Others	Others	Ambrisentan, a highly selective antagonist of the endothelin-1 type A receptor with IC50 of 18 nM, is indicated for the treatment of pulmonary arterial hypertension (PAH).	177036-94-1	free base	http://www.selleckchem.com/products/ambrisentan.html
3655 / 3662 / 3669	B20	S2269	Baicalin	199	Others	Others	Baicalin is a known prolyl endopeptidase inhibitor and affects the GABA receptors.	21967-41-9	free base	http://www.selleckchem.com/products/Baicalin.html
3655 / 3662 / 3669	B21	S2120	Arbidol HCl	200	Others	Others	Arbidol is an antiviral treatment for influenza infection.	131707-23-8	hydrochloride	http://www.selleckchem.com/products/Arbidol-hcl.html
3655 / 3662 / 3669	B22	S2287	Cytisine	199	Others	Others	Cytisine is a nicotinic acetylcholine receptor agonist.	485-35-8	free base	http://www.selleckchem.com/products/Cytisine(Baiphoxine,-Sophorine).html
3655 / 3662 / 3669	C03	S1547	Febuxostat	199	Others	Others	Febuxostat is selective xanthine oxidase inhibitor with Ki of 0.6 nM.	144060-53-7	free base	http://www.selleckchem.com/products/Febuxostat(Uloric).html
3655 / 3662 / 3669	C04	S1713	Piroxicam	199	Neuronal Signaling	COX	Piroxicam (Feldene) is a non-selective COX inhibitor with an IC50 of 6 mM.	36322-90-4	free base	http://www.selleckchem.com/products/Piroxicam(Feldene).html
3655 / 3662 / 3669	C05	S1561	BMS-777607	91	Protein Tyrosine Kinase	Axl,c-Met	BMS-777607 is a Met-related inhibitor for c-Met, Axl, Ron and Tyro3 with IC50 of 3.9 nM, 1.1 nM, 1.8 nM and 4.3 nM, 40-fold more selective for Met-related targets versus Lck, VEGFR-2, and TrkA/B, and more than 500-fold greater selectivity versus all other receptor and non receptor kinases. Phase 1/2.	1025720-94-8	free base	http://www.selleckchem.com/products/BMS-777607.html
3655 / 3662 / 3669	C06	S1729	Gemfibrozil	199	Others	Others	Gemfibrozil (Lopid) is a compound used to lower lipid levels.	25812-30-0	free base	http://www.selleckchem.com/products/Gemfibrozil(Lopid).html
3655 / 3662 / 3669	C07	S1574	BIRB 796 (Doramapimod)	200	MAPK	p38 MAPK	BIRB 796 (Doramapimod) is a highly selective p38α MAPK inhibitor with Kd of 0.1 nM, 330-fold greater selectivity versus JNK2, weak inhibition for c-RAF, Fyn and Lck, insignificant inhibition of ERK-1, SYK, IKK2, ZAP-70, EGFR, HER2, PKA, PKC, PKCα/β/γ.	285983-48-4	free base	http://www.selleckchem.com/products/BIRB-796-(Doramapimod).html
3655 / 3662 / 3669	C08	S1738	Telmisartan	25	Endocrinology & Hormones	RAAS	Telmisartan (Micardis) is an angiotensin II receptor antagonist (ARB) used in the management of hypertension.	144701-48-4	free base	http://www.selleckchem.com/products/Telmisartan(Micardis).html
3655 / 3662 / 3669	C09	S1601	Reserpine	21	Others	Others	Reserpine is an indole alkaloid antipsychotic and antihypertensive drug that has been used for the control of high blood pressure and for the relief of psychotic symptoms.	50-55-5	free base	http://www.selleckchem.com/products/Reserpine.html
3655 / 3662 / 3669	C10	S1764	Rifampin	200	Others	Others	Rifampin is a bactericidal antibiotic agent of the rifamycin group.	13292-46-1	free base	http://www.selleckchem.com/products/Rifampin(Rifadin).html
3655 / 3662 / 3669	C11	S1620	Darunavir Ethanolate	200	Proteases	HIV Protease	Darunavir Ethanolate is an HIV protease inhibitor.	635728-49-3	ethanolate	http://www.selleckchem.com/products/Darunavir-Ethanolate(Prezista).html
3655 / 3662 / 3669	C12	S1787	Teniposide	60	Others	Others	Teniposide(Vumon)is a chemotherapeutic medication mainly used in the treatment of childhood acute lymphocytic leukemia (ALL).	29767-20-2	free base	http://www.selleckchem.com/products/Teniposide(Vumon).html
3655 / 3662 / 3669	C13	S1631	Allopurinol Sodium	32	Others	Others	Allopurinol Sodium is a xanthine oxidase inhibitor with an IC50 of 7.82±0.12 μM.	17795-21-0	Sodium Salt	www.selleckchem.com/products/Allopurinol-Sodium(Aloprim).html
3655 / 3662 / 3669	C14	S1807	Aciclovir	199	Others	Others	Acyclovir is a synthetic nucleoside analogue active against herpesviruses.	59277-89-3	free base	http://www.selleckchem.com/products/Acylovir(Aciclovir).html
3655 / 3662 / 3669	C15	S1645	Ketoprofen	200	Neuronal Signaling	COX	Ketoprofen (Actron) is a non-selective NSAID with IC50 of 0.5 μM and 2.33 μM for human recombinant COX-1 and COX-2, respectively.	22071-15-4	free base	http://www.selleckchem.com/products/Ketoprofen(Actron).html

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3655 / 3662 / 3669	C16	S1835	Azithromycin	133	Ubiquitin	Autophagy	Azithromycin is an antibiotic for inhibition of parasite growth with IC50 of 8.4 μ M.	83905-01-5	free base	http://www.selleckchem.com/products/azithromycin_zithromax.html
3655 / 3662 / 3669	C17	S1662	Isradipine	199	Transmembrane Transporters	Calcium Channel	Isradipine(Dynacirc) is a calcium channel blocker with an IC50 of 34 \pm 8 μ M.	75695-93-1	free base	http://www.selleckchem.com/products/Isradipine(Dynacirc).html
3655 / 3662 / 3669	C18	S1855	Pefloxacin Mesylate	32	Others	Others	Pefloxacin mesylate is a synthetic chemotherapeutic agent and an antibacterial agent with IC50 of 6.7 nM.	70458-95-6	mesylate	http://www.selleckchem.com/products/pefloxacin-mesylate.html
3655 / 3662 / 3669	C19	S1676	Amorolfine HCl	79	Others	Others	Amorolfine hydrochloride is a antifungal reagent.	78613-38-4	hydrochloride	http://www.selleckchem.com/products/Amorolfine-Hydrochloride.html
3655 / 3662 / 3669	C20	S1884	Sparfloxacin	22	Others	Others	Sparfloxacin is a fluoroquinolone antibiotic, shows broad and potent antibacterial activity.	110871-86-8	free base	http://www.selleckchem.com/products/sparfloxacin.html
3655 / 3662 / 3669	C21	S1701	Desonide	199	Others	Others	Desonide is a low potency topical corticosteroid.	638-94-8	free base	http://www.selleckchem.com/products/Desonide.html
3655 / 3662 / 3669	C22	S1904	Avobenzone	199	Others	Others	Avobenzone is an oil soluble ingredient used in sunscreen products to absorb the full spectrum of UVA rays and a dibenzoylmethane derivative.	70356-09-1	free base	http://www.selleckchem.com/products/Avobenzone(Parsol-1789).html
3655 / 3662 / 3669	D03	S1917	Crystal Violet	200	Others	Others	Crystal violet is a triarylmethane dye.	548-62-9	chlorate	http://www.selleckchem.com/products/Crystal-violet.html
3655 / 3662 / 3669	D04	S2149	GSK1292263	74	Endocrinology & Hormones	GPR	GSK1292263 is a novel GPR119 agonist, showing potential for the treatment of type 2 diabetes. Phase 2.	1032823-75-8	free base	http://www.selleckchem.com/products/GSK1292263.html
3655 / 3662 / 3669	D05	S1956	Miconazole Nitrate	200	Others	Others	Miconazole is an imidazole antifungal agent that is used topically and by intravenous infusion.	22832-87-7	nitrate	http://www.selleckchem.com/products/Miconazole-nitrate.html
3655 / 3662 / 3669	D06	S2162	AZD1480	69	JAK/STAT	JAK	AZD1480 is a novel ATP-competitive JAK2 inhibitor with IC50 of 0.26 nM, selectivity against JAK3 and Tyk2, and to a smaller extent against JAK1. Phase 1.	935666-88-9	Free Base	www.selleckchem.com/products/AZD1480.html
3655 / 3662 / 3669	D07	S1978	Methscopolamine	200	Neuronal Signaling	AChR	Methscopolamine (Pamine) is a muscarinic acetylcholine receptor blocker.	155-41-9	bromide	http://www.selleckchem.com/products/Methscopolamine-bromide(Pamine).html
3655 / 3662 / 3669	D08	S2185	AST-1306	199	Protein Tyrosine Kinase	EGFR	AST-1306 is a novel irreversible inhibitor of EGFR and ErbB2 with IC50 of 0.5 nM and 3 nM, also effective in mutation EGFR T790M/L858R, more potent to ErbB2-overexpressing cells, 3000-fold selective for ErbB family than other kinases.	1050500-29-2	mesylate	http://www.selleckchem.com/products/ast-1306.html
3655 / 3662 / 3669	D09	S2006	Pyrimethamine	40	Metabolism	DHFR	Pyrimethamine is a dihydrofolate reductase(DHFR) inhibitor with an IC50 of 15.4 nM.	58-14-0	free base	http://www.selleckchem.com/products/Pyrimethamine.html
3655 / 3662 / 3669	D10	S2202	NVP-BHG712	200	Protein Tyrosine Kinase	Raf,Src,Bcr-Abl,VEGFR,Ephrin receptor	NVP-BHG712 is a specific EphB4 inhibitor with ED50 of 25 nM that discriminates between VEGFR and EphB4 inhibition; also shows activity against c-Raf, c-Src and c-Abl with IC50 of 0.395 μ M, 1.266 μ M and 1.667 μ M, respectively.	940310-85-0	free base	http://www.selleckchem.com/products/NVP-BHG712.html
3655 / 3662 / 3669	D11	S2028	Diclazuril	39	Others	Others	Diclazuril is an anti-coccidial drug.	101831-37-2	free base	http://www.selleckchem.com/products/diclazuril.html
3655 / 3662 / 3669	D12	S2219	CYT387	200	JAK/STAT	JAK	CYT387 is an ATP-competitive inhibitor of JAK1/JAK2 with IC50 of 11 nM/18 nM, ~10-fold selectivity versus JAK3. Phase 1/2.	1056634-68-4	free base	http://www.selleckchem.com/products/Cyt387.html
3655 / 3662 / 3669	D13	S2040	Nimesulide	201	Neuronal Signaling	COX	Nimesulide is a relatively COX-2 selective inhibitor with IC50 of 26 μ M.	51803-78-2	free base	http://www.selleckchem.com/products/nimesulide.html
3655 / 3662 / 3669	D14	S2230	LY2157299	200	TGF-beta/Smad	TGF-beta/Smad	LY2157299 is a potent TGF β receptor I (T β RI) inhibitor with IC50 of 56 nM. Phase 2.	700874-72-2	free base	http://www.selleckchem.com/products/ly2157299.html
3655 / 3662 / 3669	D15	S2058	Tolnaftate	201	Others	Others	Tolnaftate is a synthetic thiocarbamate used as an anti-fungal agent.	2398-96-1	free base	http://www.selleckchem.com/products/tolnaftate.html
3655 / 3662 / 3669	D16	S2247	BKM120 (NVP-BKM120, Buparlisib)	199	PI3K/Akt/mTOR	PI3K	BKM120 is a selective PI3K inhibitor of p110 α / β / δ / γ with IC50 of 52 nM/166 nM/116 nM/262 nM, respectively. Reduced potency against VPS34, mTOR, DNAPK, with little activity to PI4K β . Phase 1/2.	944396-07-0	free base	http://www.selleckchem.com/products/BKM-120.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3655 / 3662 / 3669	D17	S2067	Ozagrel HCl	200	Others	Others	Ozagrel HCl is a selective thromboxane A2 synthetase enzyme inhibitors with IC50 of 11 nM, used as antiasthmatic agent.	78712-43-3	hydrochloride	http://www.selleckchem.com/products/ozagrel-hydrochloride.html
3655 / 3662 / 3669	D18	S2262	Apigenin	199	Metabolism	P450 (e.g. CYP17)	Apigenin is a potent P450 inhibitor for CYP2C9 with IC50 of 23 pM.	520-36-5	free base	http://www.selleckchem.com/products/Apigenin.html
3655 / 3662 / 3669	D19	S2098	Bexarotene	22	Others	Others	Bexarotene is a retinoid specifically selective for retinoid X receptors, used as an oral antineoplastic agent in the treatment of cutaneous T-cell lymphoma.	153559-49-0	free base	http://www.selleckchem.com/products/bexarotene.html
3655 / 3662 / 3669	D20	S2270	Bergenin	201	Others	Others	Bergenin is trihydroxybenzoic acid glycoside and the C-glycoside of 4-O-methyl gallic acid.	477-90-7	free base	http://www.selleckchem.com/products/Bergenin-(Cuscutin).html
3655 / 3662 / 3669	D21	S2121	Licofelone	200	Neuronal Signaling	COX	Licofelone is a dual COX/LOX inhibitor being considered as a treatment for osteoarthritis.	156897-06-2	free base	http://www.selleckchem.com/products/licofelone.html
3655 / 3662 / 3669	D22	S2290	Dihydroartemisinin (DHA)	200	Others	Others	Dihydroartemisinin (DHA) is a semi-synthetic derivative of artemisinin and isolated from the traditional Chinese herb Artemisia annua.	71939-50-9	free base	http://www.selleckchem.com/products/Dihydroartemisinin(DHA).html
3655 / 3662 / 3669	E03	S1548	Dapagliflozin	200	GPCR & G Protein	SGLT	Dapagliflozin is a potent and selective hSGLT2 inhibitor with EC50 of 1.1 nM, exhibiting 1200-fold selectivity over hSGLT1. Phase 3.	461432-26-8	free base	http://www.selleckchem.com/products/Dapagliflozin.html
3655 / 3662 / 3669	E04	S1714	Gemcitabine	56	DNA Damage	Autophagy,DNA/RNA Synthesis	Gemcitabine(Gemzar) belongs to the group of medicines called antimetabolites.Phase 3.	95058-81-4	free base	http://www.selleckchem.com/products/Gemcitabine(Gemzar).html
3655 / 3662 / 3669	E05	S1565	VX-809 (Lumacaftor)	201	Transmembrane Transporters	CFTR	VX-809 acts to correct CFTR mutations common in cystic fibrosis by increasing mutant CFTR (F508del-CFTR) maturation,EC50 of 0.1 µM. Phase 3.	936727-05-8	free base	http://www.selleckchem.com/products/VX-809.html
3655 / 3662 / 3669	E06	S1730	Indapamide	199	Others	Others	Indapamide(Lozol) is a non-thiazide sulphonamide diuretic compound, generally used in the treatment of hypertension, as well as decompensated cardiac failure.	26807-65-8	free base	http://www.selleckchem.com/products/Indapamide(Lozol).html
3655 / 3662 / 3669	E07	S1575	RO4929097	94	Proteases	Gamma-secretase	RO4929097 is a γ secretase inhibitor with IC50 of 4 nM, inhibiting cellular processing of Aβ40 and Notch with EC50 of 14 nM and 5 nM, respectively. Phase 2.	847925-91-1	Free Base	www.selleckchem.com/products/RO4929097.html
3655 / 3662 / 3669	E08	S1739	Thiabendazole	198	Others	Others	Thiabendazole inhibites the mitochondrial helminth-specific enzyme, fumarate reductase, with anthelmintic property.	148-79-8	free base	http://www.selleckchem.com/products/Thiabendazole.html
3655 / 3662 / 3669	E09	S1603	Furosemide	199	Others	Others	Furosemide(Lasix) is a loop diuretic used in the treatment of congestive heart failure and edema.	54-31-9	free base	http://www.selleckchem.com/products/Furosemide(Lasix).html
3655 / 3662 / 3669	E10	S1767	Beta Carotene	10	Others	Others	Beta Carotene is an organic compound and classified as a terpenoid. It is a precursor (inactive form) of vitamin A.	7235-40-7	free base	http://www.selleckchem.com/products/Beta-Carotene.html
3655 / 3662 / 3669	E11	S1622	Prednisone	200	Others	Others	Prednisone (Adasone) is a synthetic corticosteroid agent that is particularly effective as an immunosuppressant compound.	53-03-2	free base	http://www.selleckchem.com/products/Prednisone.html
3655 / 3662 / 3669	E12	S1790	Rifaximin	59	Others	Others	Rifaximin(Xifaxan), an orally administered, semi-synthetic, nonsystemic antibiotic derived from rifamycin SV with antibacterial activity.	80621-81-4	free base	http://www.selleckchem.com/products/Rifaximin(Xifaxan).html
3655 / 3662 / 3669	E13	S1633	Zafirlukast	173	Others	Others	Zafirlukast is a leukotriene receptor antagonist (LTRA). (IC50=0.6µM, IC50=7.0 µM for CYP2C9)	107753-78-6	free base	http://www.selleckchem.com/products/Zafirlukast(Accolate).html
3655 / 3662 / 3669	E14	S1811	Amiloride HCl	199	Others	Others	Amiloride hydrochloride(Midamor), a pyrazine compound inhibiting sodium reabsorption through sodium channels in renal epithelial cells.	2016-88-8	hydrochloride	http://www.selleckchem.com/products/Amiloride-hydrochloride(Midamor).html
3655 / 3662 / 3669	E15	S1646	Ketorolac	199	Neuronal Signaling	COX	Ketorolac (Ketorolac tromethamine) is a non-selective COX inhibitor of COX 1 and COX-2 with IC50 of 1.23 µM and 3.50 µM, respectively.	74103-07-4	tromethamine	http://www.selleckchem.com/products/Ketorolac-Tromethamine(Toradol).html
3655 / 3662 / 3669	E16	S1836	Albendazole Oxide	39	Others	Others	Albendazole Oxide is a tubulin polymerization or assembly inhibitor.	54029-12-8	free base	http://www.selleckchem.com/products/albendazole-oxide-ricobendazole.html
3655 / 3662 / 3669	E17	S1665	Estrone	199	Endocrinology & Hormones	Estrogen/progesterone Receptor	Estrone is an estrogenic hormone.	53-16-7	free base	http://www.selleckchem.com/products/Estrone.html
3655 / 3662 / 3669	E18	S1859	Diethylstilbestrol	201	Others	Others	Diethylstilbestrol, a synthetic nonsteroidal estrogen used in the treatment of menopausal and postmenopausal disorders.	56-53-1	free base	http://www.selleckchem.com/products/Diethylstilbestrol(Stilbestrol).html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3655 / 3662 / 3669	E19	S1677	Chloramphenicol	201	Others	Others	Chloramphenicol is a bacteriostatic antimicrobial.	56-75-7	free base	http://www.selleckchem.com/products/Chloramphenicol(Chloromycetin).html
3655 / 3662 / 3669	E20	S1889	Mitoxantrone	89	Cell Cycle	Topoisomerase	Mitoxantrone is a type II topoisomerase inhibitor with IC50 of 2.0 µM, 0.42 mM for HepG2 and MCF-7/wt cells, respectively	65271-80-9	Free Base	www.selleckchem.com/products/Mitoxantrone.html
3655 / 3662 / 3669	E21	S1702	Didanosine	198	Microbiology	Reverse Transcriptase	Didanosine(Videx, Videx EC) is a reverse transcriptase inhibitor with an IC50 of 0.49 µM.	69655-05-6	free base	http://www.selleckchem.com/products/Didanosine(Videx).html
3655 / 3662 / 3669	E22	S1907	Metronidazole	198	Others	Others	Metronidazole(Flagyl)is a nitroimidazole antibiotic medication used particularly for anaerobic bacteria and protozoa.	443-48-1	free base	http://www.selleckchem.com/products/Metronidazole(Flagyl).html
3655 / 3662 / 3669	F03	S1928	Alibendol	198	Others	Others	Alibendol is an antispasmodic, choleric, and cholekinetic.	26750-81-2	free base	http://www.selleckchem.com/products/alibendol.html
3655 / 3662 / 3669	F04	S2151	LDE225 (NVP-LDE225, Erismodegib)	199	Stem Cells & Wnt	Hedgehog/Smoothened	LDE225 (NVP-LDE225) is a Smoothened (Smo) antagonist, inhibiting Hedgehog (Hh) signaling with IC50 of 1.3 nM (mouse) and 2.5 nM (human), respectively. Phase 3.	956697-53-3	free base	http://www.selleckchem.com/products/LDE225(NVP-LDE225).html
3655 / 3662 / 3669	F05	S1957	Sulfamethizole	199	Others	Others	Sulfamethizole(Proklar) is a sulfathiazole antibacterial agent.	144-82-1	free base	http://www.selleckchem.com/products/Sulfamethizole(Proklar).html
3655 / 3662 / 3669	F06	S2170	Givinostat (ITF2357)	199	Cytoskeletal Signaling	HDAC	Givinostat (ITF2357) is a potent HDAC inhibitor for HDAC2, HDAC1B and HDAC1A with IC50 of 10 nM, 7.5 nM and 16 nM. Phase 1/2.	732302-99-7	chloride	http://www.selleckchem.com/products/ITF2357(Givinostat).html
3655 / 3662 / 3669	F07	S1979	Amiodarone HCl	33	Transmembrane Transporters	Autophagy, Potassium Channel	Amiodarone HCl is an antiarrhythmic drug for inhibition of ATP-sensitive potassium channel with IC50 of 19.1 µM.	19774-82-4	hydrochloride	http://www.selleckchem.com/products/amiodarone-hcl.html
3655 / 3662 / 3669	F08	S2186	SB505124	199	TGF-beta/Smad	TGF-beta/Smad	SB505124 is a selective inhibitor of TGFβR for ALK4, ALK5 with IC50 of 129 nM and 47 nM, respectively, also inhibits ALK7, but does not inhibit ALK1, 2, 3, or 6.	694433-59-5	free base	http://www.selleckchem.com/products/sb-505124.html
3655 / 3662 / 3669	F09	S2007	Sulindac	199	Others	Others	Sulindac (Clinoril) is a non-steroidal anti-inflammatory agent of the arylalkanoic acid class.	38194-50-2	free base	http://www.selleckchem.com/products/Sulindac(Clinoril).html
3655 / 3662 / 3669	F10	S2205	OSI-420	199	Protein Tyrosine Kinase	EGFR	OSI-420 is the active metabolite of Erlotinib (EGFR inhibitor with IC50 of 2 nM).	183320-51-6	hydrochloride	http://www.selleckchem.com/products/OSI-420-Desmethyl-Erlotinib, CP-473420.html
3655 / 3662 / 3669	F11	S2029	Uridine	200	DNA Damage	DNA/RNA Synthesis	Uridine is a nucleoside, contains a uracil attached to a ribose ring via a β-N1-glycosidic bond.	58-96-8	free base	http://www.selleckchem.com/products/uridine.html
3655 / 3662 / 3669	F12	S2220	SB590885	11	MAPK	Raf	SB590885 is a potent B-Raf inhibitor with Ki of 0.16 nM, 11-fold greater selectivity for B-Raf over c-Raf, no inhibition to other human kinases.	405554-55-4	free base	http://www.selleckchem.com/products/SB590885.html
3655 / 3662 / 3669	F13	S2042	Cyproterone Acetate	199	Endocrinology & Hormones	Androgen Receptor	Cyproterone acetate is an androgen receptor (AR) antagonist with IC50 of 7.1 nM, as well as a weak progesterone receptor agonist with weak progestational and glucocorticoid activity.	427-51-0	acetate	http://www.selleckchem.com/products/cyproterone-acetate.html
3655 / 3662 / 3669	F14	S2231	Telatinib	200	Protein Tyrosine Kinase	VEGFR, PDGFR, c-Kit	Telatinib is a potent inhibitor of VEGFR2/3, c-Kit and PDGFRβ with IC50 of 6 nM/4 nM, 1 nM and 15 nM, respectively. Phase 2.	332012-40-5	free base	http://www.selleckchem.com/products/Telatinib-BAY-57-9352.html
3655 / 3662 / 3669	F15	S2059	Terazosin HCl	56	Neuronal Signaling	Adrenergic Receptor	Hytrin (terazosin) is an alpha-adrenergic blocker used to treat high blood pressure and enlarged prostate.	70024-40-7	hydrochloride	http://www.selleckchem.com/products/terazosin-hydrochloride-hytrin.html
3655 / 3662 / 3669	F16	S2248	CX-4945 (Silmitasertib)	45	Others	Others	CX-4945 is a potent and selective inhibitor of CK2 (casein kinase 2) with IC50 of 1 nM, less potent to Fit3, Pim1 and CDK1 (inactive in cell-based assay). Phase 1.	1009820-21-6	free base	http://www.selleckchem.com/products/cx-4945-silmitasertib.html
3655 / 3662 / 3669	F17	S2074	Mecarbinatate	201	Others	Others	Mecarbinatate is a chemical intermediate of arbidol hydrochloride.	15574-49-9	free base	http://www.selleckchem.com/products/mecarbinatate.html
3655 / 3662 / 3669	F18	S2263	Arbutin	202	Others	Others	Arbutin is a tyrosinase inhibitor with an IC50 of 1.09 mM.	497-76-7	free base	http://www.selleckchem.com/products/Arbutin(Uva-p-Arbutin).html
3655 / 3662 / 3669	F19	S2101	Gabexate Mesylate	198	Proteases	Proteasome	Gabexate is a serine protease inhibitor with IC50 of 0.19 µM which is used therapeutically in the treatment of pancreatitis and disseminated intravascular coagulation.	56974-61-9	mesylate	http://www.selleckchem.com/products/gabexate-mesylate.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3655 / 3662 / 3669	F20	S2271	Berberine HCl	199	Others	Others	Berberine Hydrochloride is a quaternary ammonium salt from the group of isoquinoline alkaloids.	633-65-8	hydrochloride	http://www.selleckchem.com/products/Berberine-Hydrochloride.html
3655 / 3662 / 3669	F21	S2125	Mestranol	48	Others	Others	Mestranol is the 3-methyl ether of ethinylestradiol. It was the estrogen used in many of the first oral contraceptives.	72-33-3	free base	http://www.selleckchem.com/products/Mestranol.html
3655 / 3662 / 3669	F22	S2292	Diosmin	10	Others	Others	Diosmin is a semisynthetic phlebotropic agent and a member of the flavonoid family.	520-27-4	free base	http://www.selleckchem.com/products/Diosmin.html
3655 / 3662 / 3669	G03	S1549	Nebivolol	199	Neuronal Signaling	Adrenergic Receptor	Nebivolol selectively inhibits β 1-adrenoceptor with IC50 of 0.8 nM.	152520-56-4	hydrochloride	http://www.selleckchem.com/products/Nebivolol(Bystolic).html
3655 / 3662 / 3669	G04	S1715	Glipizide	199	Others	Others	Glipizide(Glucotrol) is used to treat high blood sugar levels caused by a type of diabetes mellitus called type 2 diabetes.	29094-61-9	free base	http://www.selleckchem.com/products/Glipizide(Glucotrol).html
3655 / 3662 / 3669	G05	S1567	Pomalidomide	201	Apoptosis	TNF-alpha	Pomalidomide inhibits LPS-induced TNF- α release with IC50 of 13 nM.	19171-19-8	free base	http://www.selleckchem.com/products/Pomalidomide(CC-4047).html
3655 / 3662 / 3669	G06	S1732	Mitotane	199	Others	Others	Mitotane(Lysodren), is an antineoplastic medication used in the treatment of adrenocortical carcinoma.	53-19-0	free base	http://www.selleckchem.com/products/Mitotane(Lysodren).html
3655 / 3662 / 3669	G07	S1576	Sulfasalazine	200	Others	Others	Sulfasalazine is a sulfa agent and a derivative of mesalazine used primarily as an anti-inflammatory agent.	599-79-1	free base	http://www.selleckchem.com/products/Sulfasalazine(Azulfidine).html
3655 / 3662 / 3669	G08	S1741	Rifabutin	70	Others	Others	Rifabutin(Mycobutin) is a semisynthetic ansamycin antibiotic with potent antimycobacterial properties.	72559-06-9	free base	http://www.selleckchem.com/products/Rifabutin(Mycobutin).html
3655 / 3662 / 3669	G09	S1605	Cefdinir	199	Others	Others	Cefdinir(Omnicef) is a bacteriocidal antibiotic.	91832-40-5	free base	http://www.selleckchem.com/products/Cefdinir(Omnicef).html
3655 / 3662 / 3669	G10	S1768	Cefditoren Pivoxil	199	Others	Others	Cefditoren pivoxil is used to treat uncomplicated skin and skin structure infections, etc.	117467-28-4	free base	http://www.selleckchem.com/products/Cefditoren-pivoxil.html
3655 / 3662 / 3669	G11	S1623	Acetylcysteine	202	Others	Others, AChR	Acetylcysteine is a pharmaceutical drug and nutritional supplement used primarily as a mucolytic agent and in the management of paracetamol (acetaminophen) overdose.	616-91-1	free base	http://www.selleckchem.com/products/Acetylcysteine.html
3655 / 3662 / 3669	G12	S1792	Simvastatin	200	Others	Others	Simvastatin is a competitive inhibitor of HMG-CoA reductase with Ki of 0.1-0.2 nM.	79902-63-9	free base	http://www.selleckchem.com/products/Simvastatin(Zocor).html
3655 / 3662 / 3669	G13	S1635	Erythromycin	200	Others	Others	Erythromycin is a macrolide antibiotic that has an antimicrobial spectrum similar to or slightly wider than that of penicillin (IC50=1.5 μ g/ml).	114-07-8	free base	http://www.selleckchem.com/products/Erythromycin(E-Mycin).html
3655 / 3662 / 3669	G14	S1816	Chlorpheniramine Maleate	199	Neuronal Signaling	Histamine Receptor	Chlorpheniramine (Chlorpheniramine maleate, Chlorphenamine) is an histamine H1 receptor antagonist with IC50 of 12 nM.	113-92-8	maleate	http://www.selleckchem.com/products/Chlorpheniramine-maleate.html
3655 / 3662 / 3669	G15	S1647	Adenosine	44	Others	Others	Adenosine is a nucleoside composed of a molecule of adenine attached to a ribose sugar molecule (ribofuranose) moiety via a β -N9-glycosidic bond.	58-61-7	free base	http://www.selleckchem.com/products/Adenosine(Adenocard).html
3655 / 3662 / 3669	G16	S1839	Chloroxine	200	Others	Others	Chloroxine is a synthetic antibacterial compound that is effective in the treatment of dandruff and seborrheic dermatitis when incorporated in a shampoo.	773-76-2	free base	http://www.selleckchem.com/products/Chloroxine.html
3655 / 3662 / 3669	G17	S1666	Flucytosine	61	Others	Others	Flucytosine (5-Fluorocytosine, 5-FC) is an antifungal drug with IC50 of 0.93 μ M in C. albicans.	2022-85-7	free base	http://www.selleckchem.com/products/Flucytosine(Ancobon).html
3655 / 3662 / 3669	G18	S1866	Diphenhydramine HCl	198	Others	Others	Diphenhydramine HCl (Benadryl), a histamine H1 antagonist used as an antiemetic, antitussive, for dermatoses and pruritus, for hypersensitivity reactions, as a hypnotic, an antiparkinson, and as an ingredient in common cold preparations.	147-24-0	hydrochloride	http://www.selleckchem.com/products/Diphenhydramine-hydrochloride(Benadryl).html
3655 / 3662 / 3669	G19	S1679	Flurbiprofen	200	Others	Others	Flurbiprofen is a member of the phenylalkanoic acid derivative family of non-steroidal anti-inflammatory drugs (NSAIDs).	5104-49-4	free base	http://www.selleckchem.com/products/Flurbiprofen(Ansaid).html
3655 / 3662 / 3669	G20	S1891	Carbidopa	17	Others	Others	Carbidopa is an aromatic-L-amino-acid decarboxylase inhibitor with an IC50 of 29 \pm 2 μ M.	28860-95-9	free base	http://www.selleckchem.com/products/Carbidopa.html
3655 / 3662 / 3669	G21	S1704	Emtricitabine	198	Microbiology	Reverse Transcriptase	Emtricitabine (Emtriva) is a nucleoside reverse transcriptase inhibitor with an IC50 of 27.7 μ M.	143491-57-0	free base	http://www.selleckchem.com/products/Emtricitabine.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3655 / 3662 / 3669	G22	S1908	Flutamide	199	Endocrinology & Hormones	Androgen Receptor	Flutamide is an antiandrogen drug, with its active metabolite binding at androgen receptor with Ki values of 55 nM, and primarily used to treat prostate cancer. Phase 4.	13311-84-7	free base	http://www.selleckchem.com/products/Flutamide(Eulexin).html
3655 / 3662 / 3669	H03	S1929	Irsogladine	10	Metabolism	PDE,AChR	Irsogladine is an anti-gastric ulcer agent that facilitates gap-junctional intercellular communication through M1 muscarinic acetylcholine receptor binding.	57381-26-7	free base	http://www.selleckchem.com/products/Irsogladine-maleate.html
3655 / 3662 / 3669	H04	S2154	Dabigatran Etexilate	200	Others	Others	Dabigatran Etexilate is the prodrug of dabigatran, a potent, nonpeptidic small molecule that specifically and reversibly inhibits both free and clot-bound thrombin by binding to the active site of the thrombin molecule.	211915-06-9	free base	http://www.selleckchem.com/products/BIBR-1048(Dabigatran-etexilate).html
3655 / 3662 / 3669	H05	S1962	Sulphadimethoxine	199	Others	Others	Sulphadimethoxine is a non-reducing glucuronide.	122-11-2	free base	http://www.selleckchem.com/products/sulphadimethoxine.html
3655 / 3662 / 3669	H06	S2177	Dichlorphenamide	199	Others	Others	Dichlorphenamide is a sulfonamide and a carbonic anhydrase inhibitor of the meta-Disulfamoylbenzene class.	120-97-8	free base	http://www.selleckchem.com/products/Dichlorphenamide(Diclofenamide).html
3655 / 3662 / 3669	H07	S1987	Mometasone furoate	11	Others	Others	Mometasone furoate is a glucocorticosteroid used topically to reduce inflammation of the skin or in the airways.	83919-23-7	furoate	http://www.selleckchem.com/products/mometasone-furoate.html
3655 / 3662 / 3669	H08	S2187	Avasimibe	199	Metabolism	P450 (e.g. CYP17)	Avasimibe inhibits ACAT with IC50 of 3.3 µM, also inhibits human P450 isoenzymes CYP2C9, CYP1A2 and CYP2C19 with IC50 of 2.9 µM, 13.9 µM and 26.5 µM.	166518-60-1	free base	http://www.selleckchem.com/products/Avasimibe(CI-1011).html
3655 / 3662 / 3669	H09	S2012	PCI-34051	199	Epigenetics	HDAC	PCI-34051 is a potent and specific HDAC8 inhibitor with IC50 of 10 nM. It has greater than 200-fold selectivity over HDAC1 and 6, more than 1000-fold selectivity over HDAC2, 3, and 10.	950762-95-5	free base	http://www.selleckchem.com/products/pci-34051.html
3655 / 3662 / 3669	H10	S2207	PIK-293	201	PI3K/Akt/mTOR	PI3K	PIK-293 is a PI3K inhibitor, mostly for PI3Kδ with IC50 of 0.24 µM, 500-, 100- and 50-fold less potent to PI3Kα/β/γ, respectively.	900185-01-5	free base	http://www.selleckchem.com/products/PIK-293.html
3655 / 3662 / 3669	H11	S2030	Flunarizine 2HCl	10	Transmembrane Transporters	Calcium Channel	Flunarizine dihydrochloride is a dihydrochloride salt form which is a calcium channel blocker with a Ki of 68 nM.	30484-77-6	2HCl	http://www.selleckchem.com/products/flunarizine-dihydrochloride.html
3655 / 3662 / 3669	H12	S2221	Apatinib	44	Protein Tyrosine Kinase	VEGFR	Apatinib is an orally bioavailable, selective VEGFR2 inhibitor with IC50 of 1 nM.	811803-05-1	sulfate	http://www.selleckchem.com/products/Apatinib-YN968D1.html
3655 / 3662 / 3669	H13	S2043	Memantine HCl	199	Neuronal Signaling	AMPA Receptor-kainate Receptor-NMDA Receptor	Memantine hydrochloride (Namenda) is a CYP2B6 and CYP2D6 inhibitor for recombinant CYP2B6 and CYP2D6 with Ki of 0.51 nM and 94.9 µM, respectively.	41100-52-1	hydrochloride	http://www.selleckchem.com/products/memantine-hydrochloride-namenda.html
3655 / 3662 / 3669	H14	S2232	Ketanserin	10	Neuronal Signaling	5-HT Receptor	Ketanserin (Vulkan Gel) is specific 5-HT2A serotonin receptor antagonist with a Ki of 2.5 nM for rat and human 5-HT2A.	74050-98-9	free base	http://www.selleckchem.com/products/Ketanserin-Vulkan-Gel.html
3655 / 3662 / 3669	H15	S2060	Bromhexine HCl	14	Others	Others	Bromhexine hydrochloride is a medication prescribed for coughs which works by dissolving hard phlegm.	611-75-6	hydrochloride	http://www.selleckchem.com/products/bromhexine-hydrochloride.html
3655 / 3662 / 3669	H16	S2252	(+)-Usniacin	10	Others	Others	(+)-Usniacin is a naturally occurring dibenzofuran derivative found in several lichen species.	7562-61-0	free base	http://www.selleckchem.com/products/(+)-Usniacin(D-Usnic-acid).html
3655 / 3662 / 3669	H17	S2077	Atorvastatin Calcium	86	Metabolism	HMG-CoA Reductase	Atorvastatin (Lipitor) is an inhibitor of HMG-CoA reductase used as a cholesterol-lowering medication that blocks the production of cholesterol.	134523-03-8	calcium	http://www.selleckchem.com/products/atorvastatin-calcium-lipitor.html
3655 / 3662 / 3669	H18	S2264	Artemether	201	Others	Others	Artemether is an antimalarial for the treatment of resistant strains of falciparum malaria.	71963-77-4	free base	http://www.selleckchem.com/products/Artemether(SM-224).html
3655 / 3662 / 3669	H19	S2113	Cisatracurium Besylate	200	Neuronal Signaling	Adrenergic Receptor	Cisatracurium Besylate is a nondepolarizing neuromuscular blocking agent, antagonizing the action of acetylcholine by inhibiting neuromuscular transmission.	96946-42-8	besylate	http://www.selleckchem.com/products/cisatracurium-besylate-nimbex.html
3655 / 3662 / 3669	H20	S2276	Bilobalide	199	Others	Others	Bilobalide is a biologically active terpenic trilactone present in Ginkgo biloba.	33570-04-6	free base	http://www.selleckchem.com/products/Bilobalide.html
3655 / 3662 / 3669	H21	S2126	Naftopidil	201	Neuronal Signaling	Adrenergic Receptor	Naftopidil (Flivas) is a selective α1-adrenergic receptor antagonist or alpha blocker with a Ki of 58.3 nM.	57149-07-2	free base	http://www.selleckchem.com/products/Naftopidil(Flivas).html
3655 / 3662 / 3669	H22	S2295	Emodin	199	Others	Others	Emodin is a purgative resin, 6-methyl-1,3,8-trihydroxyanthraquinone, from rhubarb, the buckthorn and Japanese Knotweed (Fallopia japonica).	518-82-1	free base	http://www.selleckchem.com/products/Emodin.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3655 / 3662 / 3669	I03	S1550	Pimobendan	200	Metabolism	PDE	Pimobendan is a selective inhibitor of PDE3 with IC50 of 0.32 µM.	74150-27-9	free base	http://www.selleckchem.com/products/Pimobendan(Vetmedin).html
3655 / 3662 / 3669	I04	S1718	Adefovir Dipivoxil	199	Microbiology	Reverse Transcriptase	Adefovir Dipivoxil(Preveon, Hepsera) works by blocking reverse transcriptase, an enzyme that is crucial for the hepatitis B virus (HBV) to reproduce in the body.	142340-99-6	free base	http://www.selleckchem.com/products/Adefovir-Dipivoxil(Preveon).html
3655 / 3662 / 3669	I05	S1568	PD318088	199	MAPK	MEK	PD318088 is a non-ATP competitive allosteric MEK1/2 inhibitor, binds simultaneously with ATP in a region of the MEK1 active site that is adjacent to the ATP-binding site.	391210-00-7	free base	http://www.selleckchem.com/products/PD318088.html
3655 / 3662 / 3669	I06	S1733	Methylprednisolone	200	Others	Others	Methylprednisolone is a synthetic corticosteroid with anti-inflammatory and immunomodulating properties.	83-43-2	free base	http://www.selleckchem.com/products/Methylprednisolone.html
3655 / 3662 / 3669	I07	S1577	Tie2 kinase inhibitor	79	Protein Tyrosine Kinase	Tie-2	Tie2 kinase inhibitor is an optimized compound of SB-203580, selective to Tie2 with IC50 of 0.25 µM, 200-fold more potent than p38.	948557-43-5	free base	http://www.selleckchem.com/products/Tie2-kinase-inhibitor.html
3655 / 3662 / 3669	I08	S1742	Nevirapine	199	Microbiology	Reverse Transcriptase	Nevirapine(Viramune) is a non-nucleoside reverse transcriptase inhibitor (NNRTI) used to treat HIV-1 infection and AIDS.	129618-40-2	free base	http://www.selleckchem.com/products/Nevirapine(Viramune).html
3655 / 3662 / 3669	I09	S1606	Clotrimazole	31	Others	Others	Clotrimazole is a synthetic, antifungal and broad-spectrum derivate of imidazole.	23593-75-1	free base	http://www.selleckchem.com/products/Clotrimazole(Canesten).html
3655 / 3662 / 3669	I10	S1770	Sulfadiazine	199	Others	Others	Sulfadiazine is a sulfonamide antibiotic.	68-35-9	free base	http://www.selleckchem.com/products/Sulfadiazine.html
3655 / 3662 / 3669	I11	S1625	Ethinyl Estradiol	199	Others	Others	Ethinyl estradiol is an orally bio-active estrogen used in almost all modern formulations of combined oral contraceptive pills.	57-63-6	free base	http://www.selleckchem.com/products/Ethinyl-Estradiol.html
3655 / 3662 / 3669	I12	S1793	Ramipril	199	Endocrinology & Hormones	RAAS	Ramipril is an angiotensin-converting enzyme (ACE) inhibitor with IC50 of 5 nM.	87333-19-5	free base	http://www.selleckchem.com/products/Ramipril(Altace).html
3655 / 3662 / 3669	I13	S1636	Amphotericin B	23	Others	Others	Amphotericin B is a polyene, antifungal antibiotic produced from a strain of Streptomyces nodosus. (IC50=0.028–0.290 µg/ml)	1397-89-3	free base	http://www.selleckchem.com/products/Amphotericin-B(Abelcet).html
3655 / 3662 / 3669	I14	S1825	Erdosteine	200	Others	Others	Erdosteine is a mucolytic which is used in treatment of excessive viscous mucus.	84611-23-4	free base	http://www.selleckchem.com/products/erdosteine.html
3655 / 3662 / 3669	I15	S1651	Telbivudine	198	Others	Others	Telbivudine is an antiviral agent used in the treatment of hepatitis B infection.	3424-98-4	free base	http://www.selleckchem.com/products/Telbivudine(Sebivo).html
3655 / 3662 / 3669	I16	S1840	Lomustine	201	Others	Others	Lomustine inhibits cancer cells by damaging the DNA and stops cells from dividing.	13010-47-4	free base	http://www.selleckchem.com/products/Lomustine(CeeNU).html
3655 / 3662 / 3669	I17	S1667	Trichlormethiazide	141	Others	Others	Trichlormethiazide(Achletin) is a diuretic with properties similar to those of hydrochlorothiazide.	133-67-5	free base	http://www.selleckchem.com/products/Trichlormethiazide(Achletin).html
3655 / 3662 / 3669	I18	S1869	Dapoxetine HCl	198	Neuronal Signaling	5-HT Receptor	Dapoxetine hydrochloride is a short-acting novel selective serotonin reuptake inhibitor.	129938-20-1	hydrochloride	http://www.selleckchem.com/products/Dapoxetine-hydrochloride(Priligy).html
3655 / 3662 / 3669	I19	S1680	Disulfiram	198	Others	Others	Disulfiram is an agent used to support the treatment of chronic alcoholism by producing an acute sensitivity to alcohol.	97-77-8	free base	http://www.selleckchem.com/products/Disulfiram(Antabuse).html
3655 / 3662 / 3669	I20	S1895	Dipyridamole	200	Others	Others	Dipyridamole (Persantine) is a phosphodiesterase inhibitor that blocks uptake and metabolism of adenosine by erythrocytes and vascular endothelial cells.	58-32-2	free base	http://www.selleckchem.com/products/Dipyridamole(Permolet-Persantine).html
3655 / 3662 / 3669	I21	S1705	Progesterone	69	Others	Others	Progesterone is a C-21 steroid hormone.	57-83-0	free base	http://www.selleckchem.com/products/Progesterone(Prometrium).html
3655 / 3662 / 3669	I22	S1909	Fluvastatin Sodium	200	Metabolism	HMG-CoA Reductase	Fluvastatin Sodium inhibits HMG-CoA reductase activity with IC50 of 8 nM.	93957-55-2	sodium	http://www.selleckchem.com/products/Fluvastatin-Sodium(Lescol).html
3655 / 3662 / 3669	J03	S1934	Nystatin (Fungicidin)	20	Others	Others	Nystatin (Mycostatin) is a polyene antifungal agent to which many molds and yeasts are sensitive, including Candida spp.	1400-61-9	free base	http://www.selleckchem.com/products/Nystatin(Mycostatin).html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3655 / 3662 / 3669	J04	S2155	LY2608204	200	Others	Others	LY2608204 activates glucokinase (GK) with EC50 of 42 nM.	1234703-40-2	free base	http://www.selleckchem.com/products/ly2608204.html
3655 / 3662 / 3669	J05	S1964	Rimantadine	184	Others	Others	Rimantadine (Flumadine) is an anti-influenza virus drug for T. brucei with IC50 of 7 µM.	13392-28-4	free base	http://www.selleckchem.com/products/rimantadine-flumadine.html
3655 / 3662 / 3669	J06	S2178	AG-14361	37	DNA Damage	PARP	AG14361 is a potent inhibitor of PARP1 with Ki of <5 nM. It is at least 1000-fold more potent than the benzamides.	328543-09-5	free base	http://www.selleckchem.com/products/AG14361.html
3655 / 3662 / 3669	J07	S1988	Propylthiouracil	199	Others	Others	Propylthiouracil is a thyroperoxidase and 5'-deiodinase inhibitor.	51-52-5	free base	http://www.selleckchem.com/products/Propylthiouracil.html
3655 / 3662 / 3669	J08	S2192	AZD8931 (Sapitinib)	84	Protein Tyrosine Kinase	HER2,EGFR	AZD8931 is a reversible, ATP competitive inhibitor of EGFR, ErbB2 and ErbB3 with IC50 of 4 nM, 3 nM and 4 nM, more potent than Gefitinib or Lapatinib against NSCLC cell, 100-fold more selective for the ErbB family than MNK1 and Flt. Phase 1/2.	848942-61-0	free base	http://www.selleckchem.com/products/AZD8931.html
3655 / 3662 / 3669	J09	S2014	BMS-265246	57	Cell Cycle	CDK	BMS-265246 is a potent and selective CDK1/2 inhibitor with IC50 of 6 nM/9 nM. It is 25-fold more selective for CDK1/2 than CDK4.	582315-72-8	free base	http://www.selleckchem.com/products/bms-265246.html
3655 / 3662 / 3669	J10	S2208	Formestane	201	Endocrinology & Hormones	Aromatase	Formestane(Lentaron(R)) is a second generation selective aromatase inhibitor with an IC50 of 80 nM.	566-48-3	free base	http://www.selleckchem.com/products/Formestane.html
3655 / 3662 / 3669	J11	S2031	Fenticonazole Nitrate	200	Others	Others	Fenticonazole nitrate is an azole antifungal agent.	73151-29-8	nitrate	http://www.selleckchem.com/products/fenticonazole-nitrate.html
3655 / 3662 / 3669	J12	S2224	UK 383367	200	Metabolism	Procollagen C Proteinase	UK-383367 is a procollagen C-proteinase inhibitor with IC50 of 44 nM, has excellent selectivity over MMPs.	348622-88-8	free base	http://www.selleckchem.com/products/uk-383367.html
3655 / 3662 / 3669	J13	S2044	Cyproheptadine HCl	200	Neuronal Signaling	Histamine Receptor	Cyproheptadine hydrochloride (Periactin) is a hydrochloride salt form of cyproheptadine which is a histamine receptor antagonist for 5-HT2 receptor with IC50 of 0.6 nM.	969-33-5	hydrochloride	http://www.selleckchem.com/products/cyproheptadine-hydrochloride-periactin.html
3655 / 3662 / 3669	J14	S2235	Volasertib (BI 6727)	80	Cell Cycle	PLK	BI6727 (Volasertib) is a highly potent Plk1 inhibitor with IC50 of 0.87 nM. It shows 6- and 65-fold greater selectivity against Plk2 and Plk3. Phase 2.	755038-65-4	free base	http://www.selleckchem.com/products/BI6727-Volasertib.html
3655 / 3662 / 3669	J15	S2061	Lovastatin	19	Metabolism	HMG-CoA Reductase	Lovastatin is an inhibitor of HMG-CoA reductase with IC50 of 3.4 nM, used for lowering cholesterol (hypolipidemic agent).	75330-75-5	free base	http://www.selleckchem.com/products/lovastatin-mevacor.html
3655 / 3662 / 3669	J16	S2253	3-Indolebutyric acid (IBA)	201	Others	Others	3-Indolebutyric acid (IBA) is a plant hormone in the auxin family and is an ingredient in many commercial plant rooting horticultural products.	133-32-4	free base	http://www.selleckchem.com/products/3-Indolebutyric-acid(IBA).html
3655 / 3662 / 3669	J17	S2078	Famotidine	198	Neuronal Signaling	Histamine Receptor	Famotidine is a histamine H2-receptor antagonist with IC50 of 0.6 mM, commonly used to treat heartburn, GERD, ulcers, and other digestive conditions.	76824-35-6	free base	http://www.selleckchem.com/products/famotidine-pepcid.html
3655 / 3662 / 3669	J18	S2265	Artesunate	200	Others	Others	Artesunate is a part of the artemisinin group of agents with an IC50 of < 5 µM for small cell lung carcinoma cell line H69.	88495-63-0	free base	http://www.selleckchem.com/products/Artesunate.html
3655 / 3662 / 3669	J19	S2114	Dronedaron HCl	134	Others	Others	Dronedaron HCl is a therapy for the treatment of patients with paroxysmal and persistent atrial fibrillation or atrial flutter.	141625-93-6	hydrochloride	http://www.selleckchem.com/products/dronedaron-hcl-multaq.html
3655 / 3662 / 3669	J20	S2277	Caffeic Acid	10	Others	Others	Caffeic acid is a hydroxycinnamic acid, a naturally occurring organic compound.	331-39-5	free base	http://www.selleckchem.com/products/Caffeic-acid.html
3655 / 3662 / 3669	J21	S2127	S- (+)-Risperidone	199	Metabolism	PDE	S-(+)-Risperidone inhibits human monocyte cyclic AMP-specific PDE4 with IC50 of 0.75 µM, has anti-inflammatory and anti-depressant activity in the central nervous system, less potent than its R enantiomer.	85416-73-5	free base	http://www.selleckchem.com/products/sRisperidone.html
3655 / 3662 / 3669	J22	S2296	Enoxolone	199	Others	Others	Enoxolone is a pentacyclic triterpenoid derivative of the beta-amyrin type obtained from the hydrolysis of glycyrrhizic acid, which was obtained from the herb liquorice.	471-53-4	free base	http://www.selleckchem.com/products/Enoxolone(Glycyrrhetin).html
3655 / 3662 / 3669	K03	S1555	AZD8055	199	PI3K/Akt/mTOR	mTOR	AZD8055 is a novel ATP-competitive mTOR inhibitor with IC50 of 0.8 nM with excellent selectivity (~1,000-fold) against PI3K isoforms and ATM/DNA-PK. Phase 1.	1009298-09-2	free base	http://www.selleckchem.com/products/AZD8055.html
3655 / 3662 / 3669	K04	S1719	Zalcitabine	198	Microbiology	Reverse Transcriptase	Zalcitabine is a nucleoside analog HIV reverse transcriptase inhibitor (NARTI).	7481-89-2	free base	http://www.selleckchem.com/products/Zalcitabine.html

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3655 / 3662 / 3669	K05	S1569	Tazarotene	28	Others	Others	Tazarotene is a prescription topical retinoid sold as a cream or gel.	118292-40-3	free base	http://www.selleckchem.com/products/Tazarotene(Avage).html
3655 / 3662 / 3669	K06	S1734	Meloxicam	85	Others	Others	Meloxicam (Mobic) is a nonsteroidal anti-inflammatory agent with analgesic and fever reducer effects.	71125-38-7	free base	http://www.selleckchem.com/products/Meloxicam(Mobic).html
3655 / 3662 / 3669	K07	S1582	H 89 2HCl	200	PI3K/Akt/mTOR	PKA	H 89 2HCl is a potent PKA inhibitor with Ki of 48 nM, 10-fold selective for PKA than PKG, greater than 500-fold selectivity than PKC, MLCK, calmodulin kinase II and casein kinase I/II.	130964-39-5	2HCl	http://www.selleckchem.com/products/H-89-dihydrochloride.html
3655 / 3662 / 3669	K08	S1744	Nicotinic Acid	203	Others	Others	Nicotinic Acid is a water-soluble vitamin belonging to the vitamin B family.	59-67-6	free base	http://www.selleckchem.com/products/Niacin(Nicotinic-acid).html
3655 / 3662 / 3669	K09	S1607	Rizatriptan Benzoate	51	Neuronal Signaling	5-HT Receptor	Rizatriptan Benzoate(Maxalt) is a 5-HT1A agonist triptan drug for the treatment of migraine headaches.	145202-66-0	benzoate	http://www.selleckchem.com/products/Rizatriptan-Benzoate(Maxalt).html
3655 / 3662 / 3669	K10	S1773	Oxytetracycline (Terramycin)	199	Others	Others	Oxytetracycline(Terramycin) was the second of the broad-spectrum tetracycline group of antibiotics to be discovered.	79-57-2	free base	http://www.selleckchem.com/products/Oxytetracycline(Terramycin).html
3655 / 3662 / 3669	K11	S1626	Naproxen	11	Neuronal Signaling	COX	Naproxen is a COX inhibitor for COX-1 and COX-2 with IC50 of 8.7 µM and 5.2 µM, respectively.	26159-34-2	sodium	http://www.selleckchem.com/products/Naproxen-Sodium(Aleve).html
3655 / 3662 / 3669	K12	S1794	Fenofibrate	199	Others	Others	Fenofibrate (Tricor, Trilipix) is a compound of the fibrate class and fibric acid derivative.	49562-28-9	free base	http://www.selleckchem.com/products/Fenofibrate(Tricor).html
3655 / 3662 / 3669	K13	S1639	Amprenavir	31	Proteases	HIV Protease	Amprenavir is an HIV protease inhibitor with IC50 of 14.6 ng/mL in wild-type HIV isolates.	161814-49-9	free base	http://www.selleckchem.com/products/Amprenavir-(Agenerase).html
3655 / 3662 / 3669	K14	S1828	Proparacaine HCl	36	Transmembrane Transporters	Sodium Channel	Proparacaine HCl is a voltage-gated sodium channels antagonist with ED50 of 3.4 mM.	6/9/5875	hydrochloride	http://www.selleckchem.com/products/proparacaine-hcl.html
3655 / 3662 / 3669	K15	S1652	Monobenzene	199	Others	Others	Monobenzene is a compound used as a topical agent for medical depigmentation.	103-16-2	free base	http://www.selleckchem.com/products/Monobenzene(Benoquin).html
3655 / 3662 / 3669	K16	S1843	Chenodeoxycholic Acid	201	Others	Others	Chenodeoxycholic acid is a naturally occurring human bile acid.	474-25-9	free base	http://www.selleckchem.com/products/Chenodeoxycholic-acid.html
3655 / 3662 / 3669	K17	S1669	Loteprednol etabonate	199	Others	Others	Loteprednol etabonate is an anti-inflammatory corticosteroid used in ophthalmology.	82034-46-6	free base	http://www.selleckchem.com/products/Loteprednol-etabonate.html
3655 / 3662 / 3669	K18	S1876	Valaciclovir HCl	38	Others	Others	Valaciclovir hydrochloride is an antiviral drug used in the management of herpes simplex, herpes zoster, and herpes B.	124832-27-5	hydrochloride	http://www.selleckchem.com/products/valaciclovir-hcl.html
3655 / 3662 / 3669	K19	S1685	Sulfanilamide	197	Others	Others	Sulfanilamide (Sulphanilamide) is a competitive inhibitor for bacterial enzyme dihydropteroate synthetase with IC50 of 320 µM.	63-74-1	free base	http://www.selleckchem.com/products/Sulfanilamide.html
3655 / 3662 / 3669	K20	S1896	Hydroxyurea	197	Others	Others	Hydroxyurea is an antineoplastic agent that inhibits DNA synthesis through the inhibition of ribonucleoside diphosphate reductase.	127-07-1	free base	http://www.selleckchem.com/products/Hydroxyurea(Cytodrox).html
3655 / 3662 / 3669	K21	S1706	Lamivudine	200	Microbiology	Reverse Transcriptase	Lamivudine(Epivir) is a potent nucleoside analog reverse transcriptase inhibitor with an IC50 of 2.7 mM.	134678-17-4	free base	http://www.selleckchem.com/products/Lamivudine(Epivir).html
3655 / 3662 / 3669	K22	S1910	Tioconazole	201	Others	Others	Tioconazole is an antifungal medication with an average IC50 of 1.7 µM.	65899-73-2	free base	http://www.selleckchem.com/products/tioconazole.html
3655 / 3662 / 3669	L03	S1937	Isoniazid	196	Others	Others	Isoniazid is a prodrug and must be activated by bacterial catalase.	54-85-3	free base	http://www.selleckchem.com/products/Isoniazid(Tubizid).html
3655 / 3662 / 3669	L04	S2156	LY2886721	23	Others	Others	LY2886721 is an BACE inhibitor used for the treatment of Alzheimer's Disease.	1262036-50-9	free base	http://www.selleckchem.com/products/LY-2886721.html
3655 / 3662 / 3669	L05	S1965	Primidone	201	Others	Others	Primidone(Mysoline) is an anticonvulsant of the pyrimidinedione class.	125-33-7	free base	http://www.selleckchem.com/products/Primidone(Mysoline).html
3655 / 3662 / 3669	L06	S2179	LY2784544	200	JAK/STAT	JAK	LY2784544 is a potent JAK2 inhibitor with IC50 of 3 nM, effective in JAK2V617F, 8- and 20-fold selective versus JAK1 and JAK3. Phase 2.	1229236-86-5	free base	http://www.selleckchem.com/products/LY2784544.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3655 / 3662 / 3669	L07	S1992	Fluticasone propionate	199	Others	Others	Fluticasone propionate (Flonase, Veramyst) is a synthetic corticosteroid which is derived from fluticasone used to treat asthma and allergic rhinitis (hay fever).	80474-14-2	propionate	http://www.selleckchem.com/products/fluticasone-propionate-Flonase-Veramyst.html
3655 / 3662 / 3669	L08	S2193	GSK461364	18	Cell Cycle	PLK	GSK461364 inhibits purified Plk1 with Ki of 2.2 nM. It is more than 1000-fold selective against Plk2/3. Phase 1.	929095-18-1	free base	http://www.selleckchem.com/products/GSK461364.html
3655 / 3662 / 3669	L09	S2015	Suplatast Tosylate	200	Others	Others	Suplatast Tosylate is a novel capsular anti-asthmatic agent that suppresses both IgE production, IL-4 and IL-5 synthesis with IC50 above 100 µM.	94055-76-2	tosylate	http://www.selleckchem.com/products/suplatast-tosylate.html
3655 / 3662 / 3669	L10	S2214	AZ 960	200	JAK/STAT	JAK	AZ 960 is a novel ATP competitive JAK2 inhibitor with IC50 and Ki of <3 nM and 0.45 nM, 3-fold selectivity of AZ960 for JAK2 over JAK3.	905586-69-8	free base	http://www.selleckchem.com/products/AZ-960.html
3655 / 3662 / 3669	L11	S2032	Rebamipide	199	Others	Others	Rebamipide is a cholecystokinin type 1 (CCK1) receptor inhibitor for inhibiting [125I]BH-CCK-8S with IC50 of 37.7 µM.	90098-04-7	free base	http://www.selleckchem.com/products/rebamipide.html
3655 / 3662 / 3669	L12	S2225	TAME	201	Cell Cycle	E3 Ligase ,APC	Tosyl-L-Arginine Methyl Ester (TAME) is an APC inhibitor.	901-47-3	free base	http://www.selleckchem.com/products/TAME.html
3655 / 3662 / 3669	L13	S2045	Doxifluridine	199	Others	Others	Doxifluridine is a thymidine phosphorylase activator for PC9-DPE2 cells with IC50 of 0.62 µM.	9/5/3094	free base	http://www.selleckchem.com/products/doxifluridine.html
3655 / 3662 / 3669	L14	S2238	Palomid 529 (P529)	199	PI3K/Akt/mTOR	mTOR	Palomid 529 inhibits both the mTORC1 and mTORC2 complexes, reduces phosphorylation of pAktS473, pGSK3βS9, and pS6 but no effect observed on pMAPK or pAktT308. Phase 1.	914913-88-5	free base	http://www.selleckchem.com/products/Palomid-529-P529.html
3655 / 3662 / 3669	L15	S2062	Tiopronin	196	Others	Others	Tiopronin is a US Food and Drug Administration (FDA)-approved drug for the treatment of cystinuria by controlling the rate of cystine precipitation and excretion.	2/2/1953	free base	http://www.selleckchem.com/products/tiopronin-thiola.html
3655 / 3662 / 3669	L16	S2256	4-Methylumbelliferone (4-MU)	198	Others	Others	4-Methylumbelliferone is a hyaluronic acid (HA) synthesis inhibitor with an IC50 of 0.4 mM.	90-33-5	free base	http://www.selleckchem.com/products/4-Methylumbelliferone(4-MU).html
3655 / 3662 / 3669	L17	S2086	Ivabradine HCl	199	Neuronal Signaling	Adrenergic Receptor	Ivabradine HCl, a new If inhibitor with IC 50 of 2.9 µM which acts specifically on the pacemaker activity of the sinoatrial node, is a pure heart rate lowering agent.	148849-67-6	hydrochloride	http://www.selleckchem.com/products/ivabradine-hcl-procoralan.html
3655 / 3662 / 3669	L18	S2266	Asiatic Acid	200	MAPK	p38 MAPK	Asiatic acid is the aglycone of asiaticoside isolated from the plant Centella asiatica, commonly used in wound healing.	464-92-6	free base	http://www.selleckchem.com/products/Asiatic-acid.html
3655 / 3662 / 3669	L19	S2116	Conivaptan HCl	199	Others	Others	Conivaptan is a non-peptide inhibitor of antidiuretic hormone (vasopressin receptor antagonist).	168626-94-6	hydrochloride	http://www.selleckchem.com/products/conivaptan-hcl-vaprisol.html
3655 / 3662 / 3669	L20	S2281	Chrysin	10	Others	Others	Chrysin is a naturally occurring flavone chemically extracted from the blue passion flower (Passiflora caerulea).	480-40-0	free base	http://www.selleckchem.com/products/Chrysin.html
3655 / 3662 / 3669	L21	S2128	Bazedoxifene HCl	199	Endocrinology & Hormones	Estrogen/progestogen Receptor	Bazedoxifene HCl is a novel, non-steroidal, indole-based estrogen receptor modulator (SERM) binding to both ERα and ERβ with IC50 of 23 nM and 89 nM.	198480-56-7	free base	http://www.selleckchem.com/products/bazedoxifene-hcl.html
3655 / 3662 / 3669	L22	S2298	Fisetin	199	Others	Others	Fisetin (Fustel) is a potent sirtuin activating compound (STAC) and an agent that modulates sirtuins.	528-48-3	free base	http://www.selleckchem.com/products/Fisetin(Fustel).html
3655 / 3662 / 3669	M03	S1556	PHT-427	200	PI3K/Akt/mTOR	PDK-1,Akt	PHT-427 is a dual Akt and PDK1 inhibitor (high affinity binding for the PH domains of Akt and PDK1) with Ki of 2.7 µM and 5.2 µM, respectively.	1191951-57-1	free base	http://www.selleckchem.com/products/PHT-427.html
3655 / 3662 / 3669	M04	S1721	Azathioprine	194	Others	Others	Azathioprine(Azasan, Imuran) is a drug that suppresses the immune system and is used in organ transplantation and autoimmune disease.	446-86-6	free base	http://www.selleckchem.com/products/Azathioprine(Azasan).html
3655 / 3662 / 3669	M05	S1570	KU-60019	73	DNA Damage	ATM/ATR	KU-60019 is an improved analogue of KU-55933, with IC50 of 6.3 nM for ATM, 270- and 1600-fold more selective for ATM than DNA-PK and ATR, and is a highly effective radiosensitizer.	925701-49-1	free base	http://www.selleckchem.com/products/KU-60019.html
3655 / 3662 / 3669	M06	S1735	Mesna	200	Others	Others	Mesna(Uromitexan, Mesnex), a sulphydryl compound that is used to reduce the incidence of hemorrhagic cystitis associated with certain chemotherapeutic agents.	19767-45-4	free base	http://www.selleckchem.com/products/Mesna(Uromitexan).html
3655 / 3662 / 3669	M07	S1590	TWS119	201	PI3K/Akt/mTOR	GSK-3	TWS119 is a GSK-3β inhibitor with IC50 of 30 nM; capable of inducing neuronal differentiation and may be useful to stem cell biology.	601514-19-6	free base	http://www.selleckchem.com/products/TWS119.html
3655 / 3662 / 3669	M08	S1756	Enoxacin	10	Others	Others	Enoxacin(Penetrex)is an oral broad-spectrum fluoroquinolone antibacterial agent used in the treatment of urinary tract infections and gonorrhea. Insomnia is a common adverse effect.	74011-58-8	free base	http://www.selleckchem.com/products/Enoxacin(Penetrex).html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3655 / 3662 / 3669	M09	S1610	Metolazone	199	Others	Others	Metolazone(Zaroxolyn) is primarily used to treat congestive heart failure and high blood pressure.	17560-51-9	free base	http://www.selleckchem.com/products/Metolazone(Zaroxolyn).html
3655 / 3662 / 3669	M10	S1777	Ethionamide	198	Others	Others	Ethionamide(2-ethylthioisonicotinamide) is an antibiotic used in the treatment of tuberculosis.	536-33-4	free base	http://www.selleckchem.com/products/Ethionamide.html
3655 / 3662 / 3669	M11	S1627	Nitazoxanide	201	Others	Others	Nitazoxanide is a synthetic nitrothiazolyl-salicylamide derivative and an antiprotozoal agent. (IC50 for canine influenza virus ranges from 0.17 to 0.21 μ M)	55981-09-4	free base	http://www.selleckchem.com/products/Nitazoxanide(Alinia).html
3655 / 3662 / 3669	M12	S1799	Ranolazine	201	Others	Others	Ranolazine(Ranexa) is an antianginal medication.	95635-55-5	free base	http://www.selleckchem.com/products/Ranolazine(Ranexa).html
3655 / 3662 / 3669	M13	S1641	Chlorothiazide	199	Others	Others	Chlorothiazide is a diuretic and antihypertensive. (IC50=3.8 mM)	58-94-6	free base	http://www.selleckchem.com/products/Chlorothiazide(Diuril).html
3655 / 3662 / 3669	M14	S1830	Oxfendazole	31	Others	Others	Oxfendazole is the sulfoxide form of fenbendazole which is a broad spectrum benzimidazole anthelmintic.	53716-50-0	free base	http://www.selleckchem.com/products/oxfendazole.html
3655 / 3662 / 3669	M15	S1653	Tretinoin	199	Others	Others	All-trans Retinoic acid (ATRA), which is a ligand for both the retinoic acid receptor (RAR) and the retinoid X receptor (RXR), can induce granulocytic differentiation and apoptosis in acute promyelocytic leukemia (APL) cells.	302-79-4	free base	http://www.selleckchem.com/products/Tretinoin(Abirela).html
3655 / 3662 / 3669	M16	S1847	Clemastine Fumarate	76	Neuronal Signaling	Histamine Receptor	Clemastine Fumarate (Clemastine) is a selective histamine H1 receptor antagonist with IC50 of 3 nM.	14976-57-9	free base	http://www.selleckchem.com/products/Clemastine-Fumarate.html
3655 / 3662 / 3669	M17	S1671	(6-) ϵ -Aminocaproic acid	45	Others	Others	(6-) ϵ -Aminocaproic acid is a derivative and analogue of the amino acid lysine.	60-32-2	free base	http://www.selleckchem.com/products/Aminocaproic-acid(Amicar).html
3655 / 3662 / 3669	M18	S1878	Ganciclovir	195	Others	Others	Ganciclovir is an antiviral drug for feline herpesvirus type-1 with IC50 of 5.2 μ M.	82410-32-0	free base	http://www.selleckchem.com/products/ganciclovir.html
3655 / 3662 / 3669	M19	S1689	Meprednisone	201	Others	Others	Meprednisone is a glucocorticoid and a methylated derivative of prednisone.	1247-42-3	free base	http://www.selleckchem.com/products/Betapar(Meprednisone).html
3655 / 3662 / 3669	M20	S1899	Nicotinamide (Vitamin B3)	196	Others	Others	Nicotinamide (Vitamin B3) is a water-soluble vitamin and is part of the vitamin B group.	98-92-0	free base	http://www.selleckchem.com/products/Nicotinamide(Niacinamide).html
3655 / 3662 / 3669	M21	S1708	Hydrochlorothiazide	201	Others	Others	Hydrochlorothiazide is a first line diuretic compound of the thiazide class.	58-93-5	free base	http://www.selleckchem.com/products/Hydrochlorothiazide.html
3655 / 3662 / 3669	M22	S1914	Pregnenolone	69	Endocrinology & Hormones	Estrogen/progesterone Receptor	Pregnenolone is an endogenous steroid hormone for inhibition of M1 receptor- and M3 receptor-mediated currents with IC50 of 11.4 μ M and 6.0 μ M, respectively.	145-13-1	free base	http://www.selleckchem.com/products/pregnenolone.html
3655 / 3662 / 3669	N03	S1940	Levofloxacin	66	Others	Others	Levofloxacin is a synthetic fluoroquinolone (fluoroquinolones) antibacterial agent.	100986-85-4	free base	http://www.selleckchem.com/products/Levofloxacin(Levaquin).html
3655 / 3662 / 3669	N04	S2158	KW-2449	201	Angiogenesis	Aurora Kinase, Bcr-Abl, FLT3	KW-2449 is a multiple-targeted inhibitor, mostly for Flt3 with IC50 of 6.6 nM, modestly potent to FGFR1, Bcr-Abl and Aurora A; little effect on PDGFR β , IGF-1R, EGFR. Phase 1.	1000669-72-6	free base	http://www.selleckchem.com/products/KW-2449.html
3655 / 3662 / 3669	N05	S1969	Nefiracetam	198	Neuronal Signaling	GABA Receptor	Nefiracetam is a GABAergic, cholinergic, and monoaminergic neuronal systems enhancer for Ro 5-4864-induced convulsions. Phase 2.	77191-36-7	free base	http://www.selleckchem.com/products/Nefiracetam(Transion).html
3655 / 3662 / 3669	N06	S2180	MLN2238	199	Proteases	Proteasome	MLN2238 inhibits the chymotrypsin-like proteolytic (β 5) site of the 20S proteasome with IC50 and Ki of 3.4 nM and 0.93 nM, respectively, also inhibits the caspase-like (β 1) and trypsin-like (β 2) proteolytic sites, with IC50 of 31 and 3500 nM.	1072833-77-2	free base	http://www.selleckchem.com/products/MLN-2238.html
3655 / 3662 / 3669	N07	S2001	Elvitegravir (GS-9137, JTK-303)	200	Microbiology	Integrase	Elvitegravir (EVG, JTK-303/GS-9137) is an HIV integrase inhibitor for HIV-1 IIIIB, HIV-2 EHO and HIV-2 ROD with IC50 of 0.7 nM, 2.8 nM and 1.4 nM, respectively.	697761-98-1	free base	http://www.selleckchem.com/products/Elvitegravir.html
3655 / 3662 / 3669	N08	S2195	CYT997 (Lexibulin)	87	Cytoskeletal Signaling	Microtubule Associat	CYT997 (Lexibulin) is a potent microtubule polymerization inhibitor with IC50 of 10-100 nM in cancer cell lines. Phase 2.	917111-44-5	Free Base	www.selleckchem.com/products/CYT997.html
3655 / 3662 / 3669	N09	S2021	Chlormezanone	200	Others	Others	Chlormezanone(Trancopal) a non-benzodiazepine that is used in the management of anxiety. It has been suggested for use in the treatment of muscle spasm.	80-77-3	free base	http://www.selleckchem.com/products/Chlormezanone(Trancopal).html
3655 / 3662 / 3669	N10	S2215	DAPT (GSI-IX)	198	Proteases	Gamma-secretase, Beta Amyloid	DAPT (GSI-IX) is a novel γ -secretase inhibitor, which inhibits A β production with IC50 of 20 nM in HEK 293 cells.	208255-80-5	free base	http://www.selleckchem.com/products/DAPT-GSI-IX.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3655 / 3662 / 3669	N11	S2035	Epalrestat	10	Others	Others	Epalrestat is an aldose reductase inhibitor with IC50 of 72 nM.	82159-09-9	free base	http://www.selleckchem.com/products/epalrestat.html
3655 / 3662 / 3669	N12	S2226	CAL-101 (Idelalisib, GS-1101)	199	PI3K/Akt/mTOR	PI3K	CAL-101 (Idelalisib, GS-1101) is a selective p110 δ inhibitor with IC50 of 2.5 nM; shown to have 40- to 300-fold greater selectivity for p110 δ than p110 $\alpha/\beta/\gamma$, and 400- to 4000-fold more selectivity to p110 δ than C2 β , hVPS34, DNA-PK and mTOR. Phase 3.	870281-82-6	free base	http://www.selleckchem.com/products/CAL-101.html
3655 / 3662 / 3669	N13	S2047	Lornoxicam	10	Neuronal Signaling	COX	Lornoxicam is a COX-1 and COX-2 inhibitor with IC50 of 5 nM and 8 nM, respectively.	70374-39-9	free base	http://www.selleckchem.com/products/lornoxicam-xefo.html
3655 / 3662 / 3669	N14	S2239	Tubacin	100	Cytoskeletal Signaling	HDAC	Tubacin is a highly potent and selective, reversible, cell-permeable HDAC6 inhibitor with an IC50 of 4 nM, approximately 350-fold selectivity over HDAC1.	537049-40-4	Free Base	www.selleckchem.com/products/Tubacin.html
3655 / 3662 / 3669	N15	S2064	Balofloxacin	12	Others	Others	Balofloxacin is quinolone antibiotic, inhibiting the synthesis of bacterial DNA by interference with the enzyme DNA gyrase.	127294-70-6	free base	http://www.selleckchem.com/products/balofloxacin.html
3655 / 3662 / 3669	N16	S2259	Aloe-emodin	10	Others	Others	Aloe-emodin is an interferon-inducing agent with IC50 of about 1 μ g/mL for JEV and of about 0.33 μ g/mL for EV71.	481-72-1	free base	http://www.selleckchem.com/products/Aloe-emodin.html
3655 / 3662 / 3669	N17	S2087	Rivastigmine Tartrate	104	Neuronal Signaling	AChR	Rivastigmine Tartrate, a cholinesterase inhibitor with IC50 of 5.5 μ M, uses as a parasympathomimetic or cholinergic agent for the treatment of mild to moderate Alzheimer disease.	129101-54-8	tartrate	http://www.selleckchem.com/products/rivastigmine-tartrate-exelon.html
3655 / 3662 / 3669	N18	S2267	Azomycin	203	Others	Others	Azomycin is an antimicrobial antibiotic produced by a strain of Nocardia mesenterica.	527-73-1	free base	http://www.selleckchem.com/products/Azomycin(2-Nitroimidazole).html
3655 / 3662 / 3669	N19	S2118	Ibutilide Fumarate	100	Transmembrane Transporters	Sodium Channel	Ibutilide Fumarate is a Class III antiarrhythmic agent that is indicated for acute cardioconversion of atrial fibrillation and atrial flutter of a recent onset to sinus rhythm by induction of slow inward sodium current, which prolongs action potential and refractory period of myocardial cells.	122647-32-9	fumarate	http://www.selleckchem.com/products/ibutilide-fumarate.html
3655 / 3662 / 3669	N20	S2282	Cinchonidine	200	Others	Others	Cinchonidine is an alkaloid used in asymmetric synthesis in organic chemistry.	485-71-2	free base	http://www.selleckchem.com/products/Cinchonidine.html
3655 / 3662 / 3669	N21	S2130	Atropine	200	Neuronal Signaling	AChR	Atropine sulfate monohydrate is a competitive muscarinic acetylcholine receptor antagonist with an IC50 of 2.5 nM.	5908-99-6	coordination compound	http://www.selleckchem.com/products/Atropine-sulfate-monohydrate.html
3655 / 3662 / 3669	N22	S2299	Formononetin	201	Others	Others	Formononetin is a phytoestrogen from the root of Astragalus membranaceus and an O-methylated isoflavone.	485-72-3	free base	http://www.selleckchem.com/products/Formononetin(Formononetol).html
3655 / 3662 / 3669	O03	S1557	KRN 633	21	Protein Tyrosine Kinase	PDGFR, VEGFR	KRN 633 is an ATP-competitive inhibitor of VEGFR1/2/3 with IC50 of 170 nM/160 nM/125 nM, weakly inhibits PDGFR- α/β and c-Kit, does not block the phosphorylation of FGFR-1, EGFR or c-Met in cell.	286370-15-8	free base	http://www.selleckchem.com/products/KRN-633.html
3655 / 3662 / 3669	O04	S1723	Indomethacin	201	Others	Others	Indomethacin (Indocid, Indocin) is a non-steroidal anti-inflammatory compound commonly used to reduce fever, pain, stiffness, and swelling.	53-86-1	free base	http://www.selleckchem.com/products/Indomethacin(Indocid).html
3655 / 3662 / 3669	O05	S1572	BS-181 HCl	199	Cell Cycle	CDK	BS-181 is a highly selective CDK7 inhibitor with IC50 of 21 nM. It is more than 40-fold selective for CDK7 than CDK1, 2, 4, 5, 6, or 9.	1397219-81-6	hydrochloride	http://www.selleckchem.com/products/BS-181.html
3655 / 3662 / 3669	O06	S1736	Methocarbamol	198	Others	Others	Methocarbamol (Robaxin) is a central muscle relaxant used to treat skeletal muscle spasms.	532-03-6	free base	http://www.selleckchem.com/products/Methocarbamol(Robaxin).html
3655 / 3662 / 3669	O07	S1593	Apixaban	39	Metabolism	Factor Xa	Apixaban is a highly selective, reversible inhibitor of Factor Xa with Ki of 0.08 nM and 0.17 nM in human and rabbit, respectively.	503612-47-3	free base	http://www.selleckchem.com/products/Apixaban(BMS-562247-01).html
3655 / 3662 / 3669	O08	S1760	Rifapentine	114	Others	Others	Rifapentine (Priftin) is an antibiotic compound used in the treatment of tuberculosis.	61379-65-5	free base	http://www.selleckchem.com/products/Rifapentine(Priftin).html
3655 / 3662 / 3669	O09	S1613	Silodosin	199	Neuronal Signaling	Adrenergic Receptor	Silodosin (Rapaflo) is an α 1-adrenoceptor antagonist with high uroselectivity.	160970-54-7	free base	http://www.selleckchem.com/products/Silodosin(Rapaflo).html
3655 / 3662 / 3669	O10	S1778	Trifluridine	199	Others	Others	Trifluridine (Viroptic) is an anti-herpesvirus antiviral agent used primarily on the eye.	70-00-8	free base	http://www.selleckchem.com/products/Trifluridine(Viroptic).html
3655 / 3662 / 3669	O11	S1628	Triamcinolone Acetonide	200	Others	Others	Triamcinolone Acetonide is a more potent type of triamcinolone, being about 8 times as effective as prednisone.	76-25-5	free base	http://www.selleckchem.com/products/Triamcinolone-Acetonide.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3655 / 3662 / 3669	O12	S1802	Acadesine	10	PI3K/Akt/mTOR	AMPK	Acadesine results in accumulation of ZMP, which mimics the stimulating effect of AMP on AMPK and AMPK kinase. Phase 3.	2627-69-2	free base	http://www.selleckchem.com/products/Acadesine.html
3655 / 3662 / 3669	O13	S1643	Ursodiol	201	Others	Others	Ursodiol reduces cholesterol absorption and is used to dissolve (cholesterol) gallstones. (IC50=0.22 µM)	128-13-2	free base	http://www.selleckchem.com/products/Ursodiol(Actigal).html
3655 / 3662 / 3669	O14	S1831	Carvedilol	199	Neuronal Signaling	Adrenergic Receptor	Carvedilol is a non-selective beta blocker/alpha-1 blocker with an IC50 of 3.8 µM for inhibition of LDL oxidation.	72956-09-3	free base	http://www.selleckchem.com/products/carvedilol.html
3655 / 3662 / 3669	O15	S1655	Ezetimibe	200	Others	Others	Ezetimibe (Zetia) is a compound that lowers cholesterol.	163222-33-1	free base	http://www.selleckchem.com/products/Ezetimibe(Zetia).html
3655 / 3662 / 3669	O16	S1848	Curcumin	200	Others	Others	Curcumin is the principal curcuminoid of the popular Indian spice turmeric, which is a member of the ginger family (Zingiberaceae).	458-37-7	free base	http://www.selleckchem.com/products/Curcumin.html
3655 / 3662 / 3669	O17	S1672	Aminoglutethimide	86	Endocrinology & Hormones	Aromatase	Aminoglutethimide is an aromatase inhibitor with IC50 of 10 µM.	125-84-8	free base	http://www.selleckchem.com/products/Aminoglutethimide(Cytadren).html
3655 / 3662 / 3669	O18	S1881	Prothionamide	199	Others	Others	Prothionamide is a drug used in the treatment of tuberculosis.	14222-60-7	free base	http://www.selleckchem.com/products/prothionamide-prothionamide.html
3655 / 3662 / 3669	O19	S1691	Praziquantel	201	Others	Others	Praziquantel is an anthelmintic effective against flatworms.	55268-74-1	free base	http://www.selleckchem.com/products/Praziquantel(Biltricide).html
3655 / 3662 / 3669	O20	S1902	Vitamin B12	55	Others	Others	Vitamin B12 is a water soluble vitamin with a key role in the normal functioning of the brain and nervous system, and for the formation of blood.	68-19-9	free base	http://www.selleckchem.com/products/Vitamin-B12.html
3655 / 3662 / 3669	O21	S1709	Estradiol	198	Others	Others	Estradiol is the predominant sex hormone.	50-28-2	free base	http://www.selleckchem.com/products/Estradiol.html
3655 / 3662 / 3669	O22	S1915	Sulfamethoxazole	201	Others	Others	Sulfamethoxazole is a sulfonamide bacteriostatic antibiotic with an IC50 of 2.7 µM.	723-46-6	free base	http://www.selleckchem.com/products/Sulfamethoxazole.html
3655 / 3662 / 3669	P03	S1949	Menadiione	197	Others	Others	Menadiione, a synthetic naphthoquinone without the isoprenoid side chain and biological activity, but can be converted to active vitamin K2, menaquinone, after alkylation in vivo.	58-27-5	free base	http://www.selleckchem.com/products/Menadiione.html
3655 / 3662 / 3669	P04	S2159	Tebipenem Pivoxil	198	Others	Others	Tebipenem pivoxil is a novel oral carbapenem antibiotic with an IC50 of 100 µg/ml for human CYP isoforms	161715-24-8	free base	http://www.selleckchem.com/products/Tebipenem-pivoxil(L-084).html
3655 / 3662 / 3669	P05	S1971	Nicorandil	198	Transmembrane Transporters	Potassium Channel	Nicorandil is potassium channel activator.	65141-46-0	free base	http://www.selleckchem.com/products/Nicorandil(Ikorel).html
3655 / 3662 / 3669	P06	S2181	MLN9708	199	Proteases	Proteasome	MLN9708 immediately hydrolyzed to MLN2238, the biologically active form, on exposure to aqueous solutions or plasma. MLN2238 inhibits the chymotrypsin-like proteolytic (β5) site of the 20S proteasome with IC50/Ki of 3.4 nM/0.93 nM, less potent to β1 and little activity to β2. Phase 3.	1201902-80-8	free base	http://www.selleckchem.com/products/MLN9708.html
3655 / 3662 / 3669	P07	S2003	Maraviroc	194	Microbiology	CCR	Maraviroc is a CCR5 antagonist for MIP-1α, MIP-1β and RANTES with IC50 of 3.3 nM, 7.2 nM and 5.2 nM, respectively.	376348-65-1	free base	http://www.selleckchem.com/products/Maraviroc.html
3655 / 3662 / 3669	P08	S2198	SGI-1776 free base	199	JAK/STAT	Pim	SGI-1776 is a novel ATP competitive inhibitor of Pim1 with IC50 of 7 nM, 50 and 10-fold selective versus Pim2 and Pim3, also potent to FIt3 and haspin. Phase 1.	1025065-69-3	free base	http://www.selleckchem.com/products/SGI-1776.html
3655 / 3662 / 3669	P09	S2024	Ketotifen Fumarate	18	Neuronal Signaling	Histamine Receptor	Ketotifen fumarate (Zaditor) is a fumaric acid salt of ketotifen which is a H1-antihistamine and mast cell stabilizer.	34580-14-8	fumarate	http://www.selleckchem.com/products/ketotifen-fumarate-zaditor.html
3655 / 3662 / 3669	P10	S2216	Mubritinib (TAK 165)	27	Protein Tyrosine Kinase	HER2	Mubritinib (TAK-165) is a potent inhibitor of HER2/ErbB2 with IC50 of 6 nM; no activity to EGFR, FGFR, PDGFR, JAK1, Src and Blk.	366017-09-6	free base	http://www.selleckchem.com/products/Mubritinib-TAK-165.html
3655 / 3662 / 3669	P11	S2036	Aspartame	112	Others	Others	Aspartame is an artificial, non-saccharide sweetener used as a sugar substitute in some foods and beverages.	22839-47-0	free base	http://www.selleckchem.com/products/aspartame.html
3655 / 3662 / 3669	P12	S2227	PIK-294	200	PI3K/Akt/mTOR	PI3K	PIK-294 is a highly selective p110β inhibitor with IC50 of 10 nM, 1000-, 49- and 16-fold less potent to PI3Kα/βγ, respectively.	900185-02-6	free base	http://www.selleckchem.com/products/PIK-294.html
3655 / 3662 / 3669	P13	S2053	Cytidine	201	Others	Others	Cytidine is a nucleoside molecule that is formed when cytosine is attached to a ribose ring, cytidine is a component of RNA.	65-46-3	free base	http://www.selleckchem.com/products/cytidine.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3655 / 3662 / 3669	P14	S2243	Degrasyn (WP1130)	200	Angiogenesis	DUB,Bcr-Abl	WP1130 (Degrasyn) is a selective deubiquitinase (DUB: USP5, UCH-L1, USP9x, USP14, and UCH37) inhibitor and also suppresses Bcr/Abl, also a JAK2 transducer (without affecting 20S proteasome) and activator of transcription (STAT).	856243-80-6	free base	http://www.selleckchem.com/products/WP1130.html
3655 / 3662 / 3669	P15	S2065	Lafutidine	199	Neuronal Signaling	Histamine Receptor	Lafutidine, a newly developed histamine H(2)-receptor antagonist, inhibits gastric acid secretion.	118288-08-7	free base	http://www.selleckchem.com/products/lafutidine.html
3655 / 3662 / 3669	P16	S2260	Laetrile	201	Others	Others	Laetrile is a glycoside initially isolated from the seeds of the tree Prunus dulcis, also known as bitter almonds.	29883-15-6	free base	http://www.selleckchem.com/products/Amygdalin.html
3655 / 3662 / 3669	P17	S2091	Betaxolol	201	Neuronal Signaling	Adrenergic Receptor	Betaxolol is a selective beta1 adrenergic receptor blocker used in the treatment of hypertension and glaucoma.	659-18-7	free base	http://www.selleckchem.com/products/betaxolol-betoptic.html
3655 / 3662 / 3669	P18	S2268	Baicalein	199	Metabolism	P450 (e.g. CYP17)	Baicalein is a CYP2C9 and prolyl endopeptidase inhibitor.	491-67-8	free base	http://www.selleckchem.com/products/Baicalein.html
3655 / 3662 / 3669	P19	S2119	Probucol	199	Others	Others	Probucol is an anti-hyperlipidemic drug by lowering the level of cholesterol in the bloodstream by increasing the rate of LDL catabolism.	23288-49-5	free base	http://www.selleckchem.com/products/probucol.html
3655 / 3662 / 3669	P20	S2285	Cryptotanshinone	40	JAK/STAT	STAT	Cryptotanshinone (CPT) is a STAT3 inhibitor with IC50 of 4.6 µM, strongly inhibits phosphorylation of STAT3 Tyr705, with a small effect on STAT3 Ser727, but none against STAT1 nor STAT5.	35825-57-1	free base	http://www.selleckchem.com/products/Cryptotanshinone.html
3655 / 3662 / 3669	P21	S2131	Roflumilast	200	Metabolism	PDE	Roflumilast is a selective inhibitor of PDE4 with IC50 of 0.2-4.3 nM.	162401-32-3	free base	http://www.selleckchem.com/products/Roflumilast(Daxas).html
3655 / 3662 / 3669	P22	S2300	Ferulic Acid	10	Others	Others	Ferulic Acid is a hydroxycinnamic acid and a type of organic compound found in the Ferula assafoetida L. or Ligusticum chuanxiong.	1135-24-6	free base	http://www.selleckchem.com/products/Fumalic-acid(Ferulic-acid).html
3656 / 3663 / 3670	A03	S2302	Glycyrrhizic Acid	142	Others	Others	Glycyrrhizic acid is a widely used anti-inflammatory agent isolated from the licorice root.	1405-86-3	free base	http://www.selleckchem.com/products/Glycyrrhizic-acid.html
3656 / 3663 / 3670	A04	S2467	Famciclovir	199	Others	Others	Famciclovir(Famvir) is a guanine analogue antiviral drug used for the treatment of various herpesvirus infections.	104227-87-4	free base	http://www.selleckchem.com/products/Famciclovir(Famvir).html
3656 / 3663 / 3670	A05	S2320	Luteolin	199	Metabolism	PDE	Luteolin is a flavonoid found in Terminalia chebula, which is a non-selective phosphodiesterase PDE inhibitor for PDE1-5 with Ki of 15.0 µM;M, 6.4 µM;M, 13.9 µM;M, 11.1 µM;M and 9.5 µM;M, respectively.	491-70-3	free base	http://www.selleckchem.com/products/Luteolin(Luteolin).html
3656 / 3663 / 3670	A06	S2480	Loperamide HCl	42	Neuronal Signaling	Opioid Receptor, Autophagy	Loperamide HCl is an opioid-receptor agonist with an ED50 of 0.15 mg/kg.	34552-83-5	hydrochloride	http://www.selleckchem.com/products/Loperamide-hydrochloride.html
3656 / 3663 / 3670	A07	S2337	Osthole	200	Others	Others	Osthole is an O-methylated coumarin, which is found in the plants such as Cnidium monnieri, Angelica archangelica and Angelica pubescens.	484-12-8	free base	http://www.selleckchem.com/products/Osthole(Osthole).html
3656 / 3663 / 3670	A08	S2492	Novobiocin Sodium	200	Others	Others	Novobiocin(Albamycin) is a very potent bacterial DNA gyrase and human organic anion transporters with Ki of 14.87 ± 0.40µM for hOAT1, 4.77 ± 1.12µM for hOAT3 and 90.50 ± 7.50µM for hOAT4.	1476-53-5	sodium	http://www.selleckchem.com/products/Novobiocin-sodium(Albamycin).html
3656 / 3663 / 3670	A09	S2347	Quercetin Dihydrate	201	Others	Others	Quercetin, a polyphenolic flavonoid found in a wide variety of plant-based foods, such as apples, onions, berries, and red wine, is utilized in many different cultures for their nervous system and anticancer effects.	6151-25-3	dihydrate	http://www.selleckchem.com/products/Quercetin-dihydrate(Sophoretin).html
3656 / 3663 / 3670	A10	S2502	Quinine HCl Dihydrate	199	Others	Others	Quinine hydrochloride dihydrate is a natural white crystalline alkaloid having antipyretic (fever-reducing), antimalarial, analgesic (painkilling), anti-inflammatory properties and a bitter taste.	6119-47-7	hydrate	http://www.selleckchem.com/products/Quinine-hydrochloride-dihydrate.html
3656 / 3663 / 3670	A11	S2364	Tanshinone I	83	Others	Others	Tanshinone I, an active principle isolated from Salvia miltiorrhiza (Danshen), is structurally similar to tanshinone IIA and may possess similar cytotoxic effects on tumor cells.	568-73-0	free base	http://www.selleckchem.com/products/Tanshinone-I.html
3656 / 3663 / 3670	A12	S2515	Vardenafil HCl Trihydrate	200	Metabolism	PDE	Vardenafil HCl Trihydrate is a new type PDE inhibitor with IC50 of 0.7 and 180 nM for PDE5 and PDE1, respectively.	224785-90-4	hydrate	http://www.selleckchem.com/products/Vardenafil(Vivanza).html
3656 / 3663 / 3670	A13	S2377	Biochanin A	200	Others	Others	Biochanin A, an O-methylated isoflavone from Trifolium pratense, inhibits protein tyrosine kinase (PTK) of epidermal growth factor receptor with IC50 values of 91.5 µM;M.	491-80-5	free base	http://www.selleckchem.com/products/Biochanin-A(4-Methylgenistein).html
3656 / 3663 / 3670	A14	S2534	Isoconazole nitrate	85	Others	Others	Isoconazole nitrate (Travogen) is an azole antifungal reagent.	24168-96-5	nitrate	http://www.selleckchem.com/products/Isoconazole-nitrate-Travogen.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3656 / 3663 / 3670	A15	S2390	Polydatin	199	Others	Others	Polydatin is a crystal component extracted from the root stem of perennial herbage Polygonum Cuspidatum Sieb.et Zucc.	65914-17-2	free base	http://www.selleckchem.com/products/Polydatin(Pi ceid).html
3656 / 3663 / 3670	A16	S2548	Scopine HCl	198	Others	Others	Scopine HCl is the hydrochloride of Scopine, which is the metabolite of anisodine, which is a α 1-adrenergic receptor agonist and used in the treatment of acute circulatory shock.	85700-55-6	hydrochloride	http://www.selleckchem.com/products/scopine-hcl.html
3656 / 3663 / 3670	A17	S2403	Tetrandrine	22	Transmembrane Transporters	Calcium Channel	Tetrandrine, a bis-benzylisoquinoline alkaloid derived from Stephania tetrandra, is a calcium channel blocker.	518-34-3	free base	http://www.selleckchem.com/products/Tetrandrine-Fanchinine.html
3656 / 3663 / 3670	A18	S2561	Clomifene citrate	200	Endocrinology & Hormones	Estrogen/progest ogen Receptor	Clomifene citrate (Serophene) is a selective estrogen receptor modulator.	50-41-9	citrate	http://www.selleckchem.com/products/Clomifene-citrate-Serophene.html
3656 / 3663 / 3670	A19	S2412	Genipin	198	Others	Others	Genipin is an active aglycone derived from an iridoid glycoside called geniposide, which is found in the fruit of Gardenia jasminoides Ellis.	6902-77-8	free base	http://www.selleckchem.com/products/genipin.html
3656 / 3663 / 3670	A20	S2579	Zidovudine	10	Microbiology	Reverse Transcriptase	Zidovudine (Retrovir) is a reverse transcriptase inhibitor.	30516-87-1	free base	http://www.selleckchem.com/products/zidovudine-retrovir.html
3656 / 3663 / 3670	A21	S2446	Levosimendan	199	Others	Others	Levosimendan is a calcium sensitizer acting through calcium-dependent binding to cardiac troponin C (cTnC), provides treatment for heart failure. Phase 4.	141505-33-1	free base	http://www.selleckchem.com/products/levosimendan.html
3656 / 3663 / 3670	A22	S2599	L-Thyroxine	199	Others	Others	L-Thyroxine is a synthetic form of thyroxine and a hormone replacement drug.	51-48-9	free base	http://www.selleckchem.com/products/l-thyroxine.html
3656 / 3663 / 3670	B03	S2608	Fluocinonide	200	Others	Others	Fluocinonide (Vanos) is a potent glucocorticoid steroid used typically as anti-inflammatory agent for the treatment of skin disorders such as eczema.	356-12-7	free base	http://www.selleckchem.com/products/Fluocinonide(Vanos).html
3656 / 3663 / 3670	B04	S2752	HER2-Inhibitor-1	200	Protein Tyrosine Kinase	HER2,EGFR	ARRY-380 is a potent and selective HER2 inhibitor with IC50 of 8 nM, equipotent against truncated p95-HER2, 500-fold more selective for HER2 versus EGFR. Phase 1.	937265-83-3	free base	http://www.selleckchem.com/products/arry-380.html
3656 / 3663 / 3670	B05	S2621	AZD5438	199	Cell Cycle	CDK	AZD5438 is a potent inhibitor of CDK1/2/9 with IC50 of 16 nM/6 nM/20 nM. It is less potent to CDK5/6 and also inhibits GSK3 β . Phase 1.	602306-29-6	free base	http://www.selleckchem.com/products/AZD5438.html
3656 / 3663 / 3670	B06	S2768	Dinaciclib (SCH727965)	199	Cell Cycle	CDK	Dinaciclib (SCH727965) is a novel and potent CDK inhibitor for CDK2, CDK5, CDK1 and CDK9 with IC50 of 1 nM, 1 nM, 3 nM and 4 nM, respectively. It also blocks thymidine (dThd) DNA incorporation. Phase 3.	779353-01-4	free base	http://www.selleckchem.com/products/dinaciclib-sch727965.html
3656 / 3663 / 3670	B07	S2631	URB597	200	Metabolism	FAAH	URB597 is a potent, orally bioavailable FAAH inhibitor with IC50 of 4.6 nM, with no activity on other cannabinoid-related targets.	546141-08-6	free base	http://www.selleckchem.com/products/urb597.html
3656 / 3663 / 3670	B08	S2779	M344	201	Cytoskeletal Signaling	HDAC	M344 is a potent HDAC inhibitor with IC50 of 100 nM and able to induce cell differentiation.	251456-60-7	free base	http://www.selleckchem.com/products/m344.html
3656 / 3663 / 3670	B09	S2656	PF-04929113 (SNX-5422)	199	Cytoskeletal Signaling	HSP (e.g. HSP90)	PF-04929113 (SNX-5422) is a potent and selective HSP90 inhibitor with Kd of 41 nM and induces Her-2 degradation with IC50 of 37 nM. Phase 1/2.	908115-27-5	free base	http://www.selleckchem.com/products/pf-04929113.html
3656 / 3663 / 3670	B10	S2790	Istradefylline	15	Others	Others	Istradefylline is a selective adenosine A2A receptor (A2AR) antagonist with Ki of 2.2 nM.	155270-99-8	free base	http://www.selleckchem.com/products/istradefylline-kw-6002.html
3656 / 3663 / 3670	B11	S2666	PF-3845	199	Metabolism	FAAH	PF-3845 is a potent, selective and irreversible FAAH inhibitor with Ki of 230 nM, showing negligible activity against FAAH2.	1196109-52-0	free base	http://www.selleckchem.com/products/pf-3845.html
3656 / 3663 / 3670	B12	S2803	Galeterone	61	Endocrinology & Hormones	P450 (e.g. CYP17),Androge n Receptor	Galeterone is a selective CYP17 inhibitor and androgen receptor (AR) antagonist with IC50 of 300 nM and 384 nM, respectively, and is a potent inhibitor of human prostate tumor growth. Phase 2.	851983-85-2	free base	http://www.selleckchem.com/products/galeterone-tok-001.html
3656 / 3663 / 3670	B13	S2681	AS-604850	199	PI3K/Akt/mTOR	PI3K	AS-604850 is a selective, ATP-competitive PI3Ky inhibitor with IC50 of 250 nM, over 80-fold selectivity for PI3Ky than PI3K α/β , and 18-fold more selective for PI3Ky than PI3K γ .	648449-76-7	free base	http://www.selleckchem.com/products/as-604850.html
3656 / 3663 / 3670	B14	S2924	CHIR-99021 (CT99021) HCl	185	PI3K/Akt/mTOR	GSK-3	CHIR-99021 HCl (CT99021) is hydrochloride of CHIR-99021, which is a GSK-3 α/β inhibitor with IC50 of 10 nM/6.7 nM; ability to distinguish between GSK-3 and its closest homologs Cdc2 and ERK2.	252917-06-9(freebase)	hydrochloride	http://www.selleckchem.com/products/chir-99021-ct99021-hcl.html
3656 / 3663 / 3670	B15	S2692	TG101209	200	JAK/STAT	JAK,FLT3,c-RET	TG101209 is a selective JAK2 inhibitor with IC50 of 6 nM, less potent to FLT3 and RET with IC50 of 25 nM and 17 nM, ~30-fold selective for JAK2 than JAK3, sensitive to JAK2V617F and MPLW515L/K mutations.	936091-14-4	free base	http://www.selleckchem.com/products/tg101209.html
3656 / 3663 / 3670	B16	S3019	Ciclopirox ethanolamine	22	Transmembrane Transporters	ATPase	Ciclopirox ethanolamine (Ciclopirox olamine, HOE 296) is a broad-spectrum antifungal agent working as an iron chelator.	41621-49-2	ethanolamine	http://www.selleckchem.com/products/ciclopirox-ethanolamine.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3656 / 3663 / 3670	B17	S2714	LY411575	200	Proteases	Gamma-secretase	LY411575 is a potent γ -secretase inhibitor with IC50 of 0.078 nM/0.082 nM (membrane/cell-based), also inhibits Notch cleavage with withIC50 of 0.39 nM.	209984-57-6	free base	http://www.selleckchem.com/products/ly-411575.html
3656 / 3663 / 3670	B18	S3061	Epinephrine HCl	200	Neuronal Signaling	Adrenergic Receptor	Epinephrine HCl is a hormone and a neurotransmitter.	55-31-2	hydrochloride	http://www.selleckchem.com/products/epinephrine-hcl-adrenaline.html
3656 / 3663 / 3670	B19	S2728	AG-1478 (Tyrphostin AG-1478)	79	Protein Tyrosine Kinase	EGFR	AG-1478 (Tyrphostin AG-1478) is a selective EGFR inhibitor with IC50 of 3 nM, almost no activity on HER2-Neu, PDGFR, Trk, Bcr-Abl and InsR.	153436-53-4	free base	http://www.selleckchem.com/products/ag-1478-tyrphostin-ag-1478.html
3656 / 3663 / 3670	B20	S5002	Fingolimod (FTY720) HCl	200	GPCR & G Protein	S1P Receptor	Fingolimod (FTY720) is a S1P antagonist with IC50 of 0.033 nM.	162359-56-0	hydrochloride	http://www.selleckchem.com/products/FTY720.html
3656 / 3663 / 3670	B21	S2743	PF-04691502	32	PI3K/Akt/mTOR	Akt,mTOR,PI3K	PF-04691502 is an ATP-competitive PI3K($\alpha/\beta/\delta/\gamma$)/mTOR dual inhibitor with Ki of 1.8 nM/2.1 nM/1.6 nM/1.9 nM and 16 nM, little activity against either Vps34, AKT, PDK1, p70S6K, MEK, ERK, p38, or JNK. Phase 2.	1013101-36-4	free base	http://www.selleckchem.com/products/pf-04691502.html
3656 / 3663 / 3670	C03	S2308	Hesperetin	10	TGF-beta/Smad	Histamine Receptor,TGF-beta/Smad	Hesperetin is a bioflavonoid and, to be more specific, a flavanone.	520-33-2	free base	http://www.selleckchem.com/products/Hesperetin.html
3656 / 3663 / 3670	C04	S2468	Fenbendazole	13	Others	Others	Fenbendazole(Panacur) is a broad spectrum benzimidazole anthelmintic used against gastrointestinal parasites with an IC5 of about 0.01 μ g/ml	43210-67-9	free base	http://www.selleckchem.com/products/Fenbendazole(Panacur).html
3656 / 3663 / 3670	C05	S2322	(+)-Matrine	10	Neuronal Signaling	Opioid Receptor	Matrine((+)-Matrine) is an alkaloid found in plants from the Sophora family, which has a variety of pharmacological effects, including anti-cancer effects, and action as a kappa opioid receptor agonist.	519-02-8	free base	http://www.selleckchem.com/products/Matrine((+)-Matrine).html
3656 / 3663 / 3670	C06	S2481	Manidipine	199	Transmembrane Transporters	Calcium Channel	Manidipine (Manyper) is a lipophilic, third-generation, highly vasoselective dihydropyridine calcium antagonist with an IC50 of 2.6 nM.	89226-50-6	free base	http://www.selleckchem.com/products/Manidipine(Manyper).html
3656 / 3663 / 3670	C07	S2338	Oxymatrine	200	Others	Others	Oxymatrine is a quinolizidine alkaloid extracted from the root of Sophora flavescens, which is used for the treatment of viral hepatitis, cancer, viral myocarditis, gastrointestinal hemorrhage and skin diseases.	16837-52-8	free base	http://www.selleckchem.com/products/Oxymatrine(Matrine-N-oxide).html
3656 / 3663 / 3670	C08	S2494	Olopatadine HCl	200	Neuronal Signaling	Histamine Receptor	Olopatadine hydrochloride(Opatanol) is a histamine blocker and mast cell stabilizer with an IC50 of 559 μ M for the release of histamine	140462-76-6	hydrochloride	http://www.selleckchem.com/products/Olopatadine-hydrochloride(Opatanol).html
3656 / 3663 / 3670	C09	S2349	Rutaecarpine	83	Others	Others	Rutaecarpine is an indolopyridoquinazolinone alkaloid isolated from Evodia rutaecarpa and related herbs.	84-26-4	free base	http://www.selleckchem.com/products/Rutaecarpine(Rutecarpine).html
3656 / 3663 / 3670	C10	S2503	Racecadotril	57	Neuronal Signaling	Opioid Receptor	Racecadotril is a peripherally acting enkephalinase inhibitor with an IC50 of 4.5 μ M	81110-73-8	free base	http://www.selleckchem.com/products/Racecadotril(Acetorphan).html
3656 / 3663 / 3670	C11	S2365	Tanshinone IIA	16	Others	Others	Tanshinone IIA(Tanshinone B) is the most abundant diterpene quinone in Danshen, Salviae miltiorrhizae Radix, a widely prescribed traditional herbal medicine that is used to treat cardiovascular and inflammatory diseases.	568-72-9	free base	http://www.selleckchem.com/products/Tanshinone-IIA(Tanshinone-B).html
3656 / 3663 / 3670	C12	S2517	Maprotiline HCl	200	Neuronal Signaling	Adrenergic Receptor	Maprotiline hydrochloride (Deprilept, Ludiomil, Psymion) is a selective noradrenalin re-uptake inhibitor and a tetracyclic antidepressant.	10347-81-6	hydrochloride	http://www.selleckchem.com/products/Maprotiline-hydrochloride.html
3656 / 3663 / 3670	C13	S2378	Butylscopolamine Bromide	199	Others	Others	Butylscopolamine bromide, is a peripherally acting antimuscarinic, anticholinergic agent used as an abdominal-specific antispasmodic.	149-64-4	bromide	http://www.selleckchem.com/products/Butylscopolamine-bromide(Scopolamine-butylbromide).html
3656 / 3663 / 3670	C14	S2535	Econazole nitrate	200	Others	Others	Econazole nitrate (Spectazole) is an imidazole class antifungal medication.	24169-02-6	nitrate	http://www.selleckchem.com/products/Econazole-nitrate-Spectazole.html
3656 / 3663 / 3670	C15	S2391	Quercetin	10	Epigenetics	PKC,Src,PI3K,Sirtuin	Quercetin is a natural flavonoid present in vegetables, fruit and wine and is a PI3K inhibitor with IC50 of 2.4 – 5.4 μ M.	117-39-5	free base	http://www.selleckchem.com/products/Quercetin(Sophoretin).html
3656 / 3663 / 3670	C16	S2549	Trospium chloride	95	Neuronal Signaling	AChR	Trospium chloride (Sanctura) is a competitive muscarinic cholinergic receptor antagonist.	10405-02-4	chloride	http://www.selleckchem.com/products/Trospium-chloride-Sanctura.html
3656 / 3663 / 3670	C17	S2404	Isoliquiritigenin	199	Others	Others	Isoliquiritigenin, an anti-tumor flavonoid from the root of Glycyrrhiza glabra, inhibits aldose reductase with an IC50 of 320 nM.	961-29-5	free base	http://www.selleckchem.com/products/Isoliquiritigenin.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3656 / 3663 / 3670	C18	S2564	Cloxacillin Sodium	115	Others	Others	Cloxacillin Sodium is a sodium salt of cloxacillin that is a penicillinase-resistant, acid resistant, semi-synthetic penicillin.	7081-44-9	sodium	http://www.selleckchem.com/products/Cloxacillin-sodium-Cloxacap.html
3656 / 3663 / 3670	C19	S2413	Geniposidic acid	42	Others	Others	Geniposidic acid is an effective anticancer and radioprotection agent.	27741-01-1	free base	http://www.selleckchem.com/products/geniposidic-acid.html
3656 / 3663 / 3670	C20	S2583	Thiamphenicol	10	Others	Others	Thiamphenicol is an antimicrobial antibiotic and a methyl-sulfonyl analogue of chloramphenicol.	15318-45-3	free base	http://www.selleckchem.com/products/thiamphenicol-thiophenicol.html
3656 / 3663 / 3670	C21	S2451	Amantadine HCl	202	Neuronal Signaling	Dopamine Receptor	Amantadine HCl is used to treat or prevent infections of the respiratory tract caused by a certain virus.	665-66-7	hydrochloride	selleckchem.com/products/Amantadine-hydrochloride(Symmetrel).html
3656 / 3663 / 3670	C22	S2601	Gliclazide	200	Transmembrane Transporters	Potassium Channel	Gliclazide (Diamicon) is a whole-cell beta-cell ATP-sensitive potassium currents blocker with an IC50 of 184 ± 30 nM.	21187-98-4	free base	http://www.selleckchem.com/products/gliclazide-diamicon.html
3656 / 3663 / 3670	D03	S2612	Ribitol	203	Others	Others	Ribitol is a crystalline pentose alcohol and is formed by the reduction of ribose which occurs naturally in the plant Adonis vernalis.	488-81-3	free base	http://www.selleckchem.com/products/ribitol-adonitol.html
3656 / 3663 / 3670	D04	S2755	Varlitinib	12	Protein Tyrosine Kinase	EGFR	ARRY334543 is a selective and potent ErbB1(EGFR) and ErbB2(HER2) inhibitor with IC50 of 7 nM and 2 nM, respectively. Phase 2.	845272-21-1	free base	http://www.selleckchem.com/products/arry334543.html
3656 / 3663 / 3670	D05	S2622	PP121	200	Protein Tyrosine Kinase	DNA-PK,PDGFR,mTOR	PP-121 is a multi-targeted inhibitor of PDGFR, Hck, mTOR, VEGFR2, Src and Abl with IC50 of 2 nM, 8 nM, 10 nM, 12 nM, 14 nM and 18 nM, also inhibits DNA-PK with IC50 of 60 nM.	1092788-83-4	free base	http://www.selleckchem.com/products/PP121.html
3656 / 3663 / 3670	D06	S2770	MK-5108 (VX-689)	199	Cell Cycle	Aurora Kinase	MK-5108 (VX-689) is a highly selective Aurora A inhibitor with IC50 of 0.064 nM and is 220- and 190-fold more selective for Aurora A than Aurora B/C, while it inhibits TrkA with less than 100-fold selectivity. Phase 1.	1010085-13-8	free base	http://www.selleckchem.com/products/mk-5108-vx-689.html
3656 / 3663 / 3670	D07	S2632	BMS-378806	199	Others	gp120/CD4	BMS-378806 selectively inhibits the binding of HIV-1 gp120 to the CD4receptor with EC50 of 0.85-26.5 nM in virus.	357263-13-9	free base	http://www.selleckchem.com/products/bms378806.html
3656 / 3663 / 3670	D08	S2780	I-BET151 (GSK1210151A)	199	Epigenetics	Epigenetic Reader Domain	I-BET151 (GSK1210151A) is a novel selective BET inhibitor for BRD2, BRD3 and BRD4 with IC50 of 0.5 µM, 0.25 µM, and 0.79 µM, respectively.	1300031-49-5	free base	http://www.selleckchem.com/products/i-bet151-gsk1210151a.html
3656 / 3663 / 3670	D09	S2658	GSK2126458 (GSK458)	197	PI3K/Akt/mTOR	PI3K,mTOR	GSK2126458 is a highly selective and potent inhibitor of p110α/β/δ/γ, mTORC1/2 with Ki of 0.019 nM/0.13 nM/0.024 nM/0.06 nM and 0.18 nM/0.3 nM, respectively. Phase 1.	1086062-66-9	free base	http://www.selleckchem.com/products/gsk2126458.html
3656 / 3663 / 3670	D10	S2791	Sotrastaurin	198	TGF-beta/Smad	PKC	Sotrastaurin is a potent and selective pan-PKC inhibitor, mostly for PKCθ with Ki of 0.22 nM; inactive to PKCζ. Phase 1/2.	425637-18-9	free base	http://www.selleckchem.com/products/sotrastaurin-aeb071.html
3656 / 3663 / 3670	D11	S2667	Dolutegravir (GSK1349572)	200	Microbiology	Integrase	S/GSK1349572 (GSK1349572) is a two-metal-binding HIV integrase inhibitor with IC50 of 2.7 nM, modest activity against raltegravir-resistant signature mutants Y143R, Q148K, N155H, and G140S/Q148H. Phase 3.	1051375-16-6	free base	http://www.selleckchem.com/products/s-gsk1349572.html
3656 / 3663 / 3670	D12	S2807	Dabrafenib (GSK2118436)	57	MAPK	Raf	Dabrafenib (GSK2118436) is a mutant BRAFV600 specific inhibitor with IC50 of 0.8 nM, with 4- and 6-fold less potency against B-Raf(wt) and c-Raf, respectively. Phase 3.	1195765-45-7	free base	http://www.selleckchem.com/products/dabrafenib-gsk2118436a.html
3656 / 3663 / 3670	D13	S2682	CAY10505	200	PI3K/Akt/mTOR	PI3K	CAY10505 is dehydroxyl of AS-252424, which is a PI3Ky inhibitor with IC50 of 33 nM.	1218777-13-9	free base	http://www.selleckchem.com/products/cay10505.html
3656 / 3663 / 3670	D14	S3000	Carbazochrome sodium sulfonate (AC-17)	198	Others	Others	Carbazochrome is an antihemorrhagic for use in the treatment of hemorrhoids.	51460-26-5	sodium	http://www.selleckchem.com/products/carbazochrome-sodium-sulfonate.html
3656 / 3663 / 3670	D15	S2696	GDC-0980 (RG7422)	40	PI3K/Akt/mTOR	mTOR,PI3K	GDC-0980 (RG7422) is a potent, class I PI3K inhibitor for PI3Kα/β/δ/γ with IC50 of 5 nM/27 nM/7 nM/14 nM, respectively. Also a mTOR inhibitor with Ki of 17 nM, and highly selective versus others PIKK family kinases. Phase 2.	1032754-93-0	free base	http://www.selleckchem.com/products/GDC-0980-RG7422.html
3656 / 3663 / 3670	D16	S3020	Romidepsin (FK228, Depsipeptide)	10	Cytoskeletal Signaling	HDAC	Romidepsin (FK228, depsipeptide) is a potent HDAC1 and HDAC2 inhibitor with IC50 of 36 nM and 47 nM, respectively.	128517-07-7	Free Base	www.selleckchem.com/products/Romidepsin-FK228.html
3656 / 3663 / 3670	D17	S2717	CP-91149	200	Metabolism	Phosphorylase	CP-91149 is a selective glycogen phosphorylase (GP) inhibitor with IC50 of 0.13 µM in the presence of glucose, 5- to 10-fold less potent in the absence of glucose.	186392-40-5	free base	http://www.selleckchem.com/products/cp-91149.html
3656 / 3663 / 3670	D18	S3062	Diclofenac Potassium	206	Others	Others	Diclofenac potassium is a nonsteroidal anti-inflammatory drug taken to reduce inflammation and as an analgesic reducing pain in certain conditions.	15307-81-0	potassium	http://www.selleckchem.com/products/diclofenac-potassium.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3656 / 3663 / 3670	D19	S2729	SB415286	200	PI3K/Akt/mTOR	GSK-3	SB415286 is a potent GSK3 α inhibitor with IC50/Ki of 78 nM/31 nM with equally effective inhibition of GSK-3 β .	264218-23-7	free base	http://www.selleckchem.com/products/sb-415286.html
3656 / 3663 / 3670	D20	S5003	Tacrolimus (FK506)	200	Others	Others	FK-506 is a 23-membered macrolide lactone, it reduces peptidyl-prolyl isomerase activity by binding to the immunophilin FKBP12 (FK506 binding protein) creating a new complex.	104987-11-3	free base	http://www.selleckchem.com/products/FK-506-(Tacrolimus).html
3656 / 3663 / 3670	D21	S2744	CCT137690	10	Cell Cycle	Aurora Kinase	CCT137690 is a highly selective inhibitor of Aurora A, Aurora B and Aurora C with IC50 of 15 nM, 25 nM and 19 nM. It has little effect on hERG ion-channel.	1095382-05-0	free base	http://www.selleckchem.com/products/cct137690.html
3656 / 3663 / 3670	E03	S2309	Hesperidin	199	Others	Others	Hesperidin is a flavanone glycoside found abundantly in citrus fruits.	520-26-3	free base	http://www.selleckchem.com/products/Hesperidin.html
3656 / 3663 / 3670	E04	S2470	Fluocinolone Acetonide	198	Others	Others	Fluocinolone Acetonide is a corticosteroid that binds to the cytosolic glucocorticoid receptor.	67-73-2	free base	http://www.selleckchem.com/products/Fluocinolone-acetonide(Flucort-N).html
3656 / 3663 / 3670	E05	S2323	Methyl-Hesperidin	10	Others	Others	Methyl Hesperidin is a flavanone glycoside (flavonoid) (C28H34O15) found abundantly in citrus fruits. Its aglycone form is called hesperetin.	11013-97-1	free base	http://www.selleckchem.com/products/Methyl-Hesperidin.html
3656 / 3663 / 3670	E06	S2482	Manidipine 2HCl	30	Transmembrane Transporters	Calcium Channel	Manidipine 2HCl is a HCl salt form of Manidipine, which is a calcium channel blocker with IC50 of 2.6 nM, used clinically as an antihypertensive. Phase 4.	89226-75-5	dihydrochloride	http://www.selleckchem.com/products/Manidipine-dihydrochloride(CV-4093).html
3656 / 3663 / 3670	E07	S2339	Paeonol	198	Others	Others	Paeonol (Peonol), a phenolic compound extracted from Chinese herbs Paeonia suffruticosa (moutan cortex) and Cynanchum paniculatum, inhibits MAO with an IC50 of about 50 μ M.	552-41-0	free base	http://www.selleckchem.com/products/Paeonol(Peonol).html
3656 / 3663 / 3670	E08	S2495	Oxymetazoline HCl	198	Neuronal Signaling	Adrenergic Receptor	Oxymetazoline hydrochloride is an α 1 and α 2 adrenergic receptor agonist.	2/8/2315	hydrochloride	http://www.selleckchem.com/products/Oxymetazoline-hydrochloride.html
3656 / 3663 / 3670	E09	S2351	Salicin	199	Others	Others	Salicin is a phenol β -glycosid produced from willow bark that shows anti-inflammatory effects.	138-52-3	free base	http://www.selleckchem.com/products/Salicin(Salicylate-Salicylic-acid).html
3656 / 3663 / 3670	E10	S2504	Ribavirin	200	Others	Others	Ribavirin (Copegus) is an anti-viral agent indicated for severe RSV infection (individually), hepatitis C infection and other viral infections.	36791-04-5	free base	http://www.selleckchem.com/products/Ribavirin(Copegus).html
3656 / 3663 / 3670	E11	S2366	Taxifolin (Dihydroquercetin)	10	Others	Others	Taxifolin is a flavonoid in many plants such as Taxus chinensis, Siberian larch, Cedrus deodara and so on.	480-18-2	free base	http://www.selleckchem.com/products/Taxifolin(Dihydroquercetin).html
3656 / 3663 / 3670	E12	S2522	L-Adrenaline	21	Neuronal Signaling	Adrenergic Receptor	L-Adrenaline belongs to a group of the compounds known as catecholamines.	51-43-4	free base	http://www.selleckchem.com/products/L-Adrenaline-Epinephrine.html
3656 / 3663 / 3670	E13	S2379	Dioscin	200	Others	Others	Dioscin is a saponin extracted and isolated from Polygonatum Zanzlanianense Pamp, showing antitumor activities.	19057-60-4	free base	http://www.selleckchem.com/products/Dioscin(Coll-ettside-III).html
3656 / 3663 / 3670	E14	S2536	Miconazole	199	Others	Others	Miconazole (Monistat) is an imidazole antifungal agent.	22916-47-8	free base	http://www.selleckchem.com/products/Miconazole-Monistat.html
3656 / 3663 / 3670	E15	S2392	Sesamin	200	Others	Others	Sesamin, a lignan isolated from the bark of Fagara plants and from sesame oil, exhibits various health benefits.	607-80-7	free base	http://www.selleckchem.com/products/Sesamin(Fagara).html
3656 / 3663 / 3670	E16	S2552	Azelastine HCl	200	Neuronal Signaling	Histamine Receptor	Azelastine hydrochloride (Astelin) is a potent, second-generation, selective, histamine antagonist.	79307-93-0	hydrochloride	http://www.selleckchem.com/products/Azelastine-hydrochloride-Astelin.html
3656 / 3663 / 3670	E17	S2405	Sophocarpine	198	Others	Others	Sophocarpine, a major ingredient of Sophora alopecuroides, has a wide range of pharmacological effects.	6483-15-4	free base	http://www.selleckchem.com/products/Sophocarpine.html
3656 / 3663 / 3670	E18	S2565	Amoxicillin Sodium	201	Others	Others	Amoxicillin Sodium is a moderate- spectrum, bacteriolytic, β -lactam antibiotic.	34642-77-8	sodium	http://www.selleckchem.com/products/amoxicillin(amox).html
3656 / 3663 / 3670	E19	S2415	Astragaloside A	10	TGF-beta/Smad	TGF-beta/Smad	Astragaloside A (Astragaloside IV) is the primary pure saponin isolated from Astragalus membranaceus, which has been widely used for the treatment of cardiovascular diseases.	83207-58-3	free base	http://www.selleckchem.com/products/astragaloside-a.html
3656 / 3663 / 3670	E20	S2584	Clobetasol propionate	199	Others	Others	Clobetasol propionate is a anti-inflammatory corticosteroid used to treat various skin disorders.	25122-46-7	propionate	http://www.selleckchem.com/products/clobetasol-propionate.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3656 / 3663 / 3670	E21	S2453	Benserazide HCl	200	Others	Dopamine Receptor,Others	Benserazide HCl is a peripherally-acting aromatic L-amino acid decarboxylase (AAAD) or DOPA decarboxylase inhibitor.	14919-77-8	hydrochloride	selleckchem.com/products/Benserazide-hydrochloride(Serazide).html
3656 / 3663 / 3670	E22	S2602	Acemetacin	10	Neuronal Signaling	COX	Acemetacin is a non-steroidal anti-inflammatory drug and a glycolic acid ester of indometacin that is a cyclooxygenase inhibitor.	53164-05-9	free base	http://www.selleckchem.com/products/acemetacin-emflex.html
3656 / 3663 / 3670	F03	S2613	Clorsulon	199	Others	Others	Clorsulon is used in the treatment of Fasciola hepatica infections in calves and sheep.	60200-06-8	free base	http://www.selleckchem.com/products/clorsulon.html
3656 / 3663 / 3670	F04	S2758	Wortmannin	200	PI3K/Akt/mTOR	Autophagy,ATM/ATR,PI3K	Wortmannin is a PI3K with IC50 of 3 nM, first described PI3K inhibitors, but little selectivity within the PI3K family. Also blocks autophagosome formation and potently inhibits DNA-PK/ATM with IC50 of 16 nM and 150 nM. Phase 4.	19545-26-7	free base	http://www.selleckchem.com/products/wortmannin.html
3656 / 3663 / 3670	F05	S2623	Omecamtiv mecarbil (CK-1827452)	199	Transmembrane Transporters	ATPase	Omecamtivmecarbil (CK-1827452) is a specific cardiac myosin activator and a clinical drug for left ventricular systolic heart failure. Phase 2.	873697-71-3	free base	http://www.selleckchem.com/products/Omecamtiv-mecarbil-CK-1827452.html
3656 / 3663 / 3670	F06	S2772	Dalcetrapib (JTT-705, RO4607381)	200	Metabolism	CETP	Dalcetrapib (JTT-705) is a rhCETP inhibitor with IC50 of 0.2 µM that increases the plasma HDL cholesterol. Phase 3.	211513-37-0	free base	http://www.selleckchem.com/products/dalcetrapib-jtt-705.html
3656 / 3663 / 3670	F07	S2633	NPS-2143	200	GPCR & G Protein	CaSR	NPS 2143 is a novel potent and selective antagonist of Ca(2+) receptor with IC50 of 43 nM.	284035-33-2	free base	http://www.selleckchem.com/products/nps-2143.html
3656 / 3663 / 3670	F08	S2781	RITA (NSC 652287)	198	Apoptosis	E3 Ligase ,p53	RITA (NSC 652287) induces both DNA-protein and DNA-DNA cross-links with no detectable DNA single-strand breaks, and also inhibits MDM2-p53 interaction by targeting p53.	213261-59-7	free base	http://www.selleckchem.com/products/rita-nsc-652287.html
3656 / 3663 / 3670	F09	S2659	5-hydroxymethyl Tolterodine (PNU 200577, 5-HMT, 5-HM)	199	Neuronal Signaling	AChR	5-hydroxymethyl tolterodine (PNU 200577) is a new muscarinic receptor antagonist with Kb of 0.84 nM.	207679-81-0	free base	http://www.selleckchem.com/products/5-hydroxymethyl-tolterodine-pnu-200577.html
3656 / 3663 / 3670	F10	S2792	Torcetrapib	199	Metabolism	CETP	Torcetrapib is a CETP inhibitor with IC50 of 37 nM, elevates HDL-C and reduces nonHDL-C in plasma. Phase 3.	262352-17-0	free base	http://www.selleckchem.com/products/torcetrapib-cp-529414.html
3656 / 3663 / 3670	F11	S2670	A-674563	200	PI3K/Akt/mTOR	PKA,CDK,Akt	A-674563 is an Akt1 inhibitor with Ki of 11 nM, modest potent to PKA and >30-fold selective for Akt1 over PKC.	552325-73-2	free base	http://www.selleckchem.com/products/a-674563.html
3656 / 3663 / 3670	F12	S2808	GDC-0068	200	PI3K/Akt/mTOR	Akt	GDC-0068 is a highly selective pan-Akt inhibitor targeting Akt1/2/3 with IC50 of 5 nM/18 nM/8 nM, 620-fold selectivity over PKA. Phase 2.	1001264-89-6	free base	http://www.selleckchem.com/products/gdc-0068.html
3656 / 3663 / 3670	F13	S2683	CHIR-124	16	Cell Cycle	Chk	CHIR-124 is a novel and potent Chk1 inhibitor with IC50 of 0.3 nM. It shows 2,000-fold selectivity against Chk2, 500- to 5,000-fold less activity against CDK2/4 and Cdc2.	405168-58-3	free base	http://www.selleckchem.com/products/chir-124.html
3656 / 3663 / 3670	F14	S3001	Clevudine	199	Others	Others	Clevudine is an antiviral drug for the treatment of hepatitis B.	163252-36-6	free base	http://www.selleckchem.com/products/clevudine-levovir.html
3656 / 3663 / 3670	F15	S2697	A-769662	199	PI3K/Akt/mTOR	AMPK	A-769662 is a potent, reversible AMPK activator with EC50 of 0.8 µM, little effect on GPPase/FBPase activity.	844499-71-4	free base	http://www.selleckchem.com/products/a-769662.html
3656 / 3663 / 3670	F16	S3022	Cabazitaxel	119	Others	Others	Cabazitaxel (XRP6258) is a semi-synthetic derivative of a natural taxoid.	183133-96-2	free base	http://www.selleckchem.com/products/cabazitaxel-jevtana.html
3656 / 3663 / 3670	F17	S2718	TAK-901	200	Cell Cycle	Aurora Kinase	TAK-901 is a novel inhibitor of Aurora A/B with IC50 of 21 nM/15 nM. It is not a potent inhibitor of cellular JAK2, c-Src or Abl. Phase 1.	934541-31-8	free base	http://www.selleckchem.com/products/tak-901.html
3656 / 3663 / 3670	F18	S3117	Oxybutynin chloride	200	Neuronal Signaling	AChR	Oxybutynin is an anticholinergic medication used to relieve urinary and bladder difficulties.	1508-65-2	chloride	http://www.selleckchem.com/products/oxybutynin-chloride.html
3656 / 3663 / 3670	F19	S2730	Crenolanib (CP-868596)	200	Protein Tyrosine Kinase	PDGFR	Crenolanib (CP-868596) is a potent and selective inhibitor of PDGFRα/β with Kd of 2.1 nM/3.2 nM, also potently inhibits FLT3, sensitive to D842V mutation not V561D mutation, >100-fold more selective for PDGFR than c-Kit, VEGFR-2, TIE-2, FGFR-2, EGFR, erbB2, and Src.	670220-88-9	free base	http://www.selleckchem.com/products/crenolanib-cp-868596.html
3656 / 3663 / 3670	F20	S6002	NXY-059	199	Others	Others	NXY-059 is a novel nitron, shows efficacious neuroprotective effects.	168021-79-2	free base	http://www.selleckchem.com/products/NXY-059.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3656 / 3663 / 3670	F21	S2746	AZ 628	199	MAPK	Raf	AZ628 is a new pan-Raf inhibitor for BRAF, BRAFV600E, and c-Raf-1 with IC50 of 105 nM, 34 nM and 29 nM, also inhibits VEGFR2, DDR2, Lyn, Flt1, FMS, etc.	878739-06-1	free base	http://www.selleckchem.com/products/az628.html
3656 / 3663 / 3670	G03	S2310	Honokiol	198	PI3K/Akt/mTOR	MEK,Akt	Honokiol is the active principle of magnolia extract that inhibits Akt-phosphorylation and promotes ERK1/2phosphorylation. Phase 3.	35354-74-6	free base	http://www.selleckchem.com/products/Honokiol.html
3656 / 3663 / 3670	G04	S2471	Gallamine Triethiodide	112	Neuronal Signaling	AChR	Gallamine triethiodide(Flaxedil) is a cholinergic receptor blocker with an IC50 of 68.0 ± 8.4 µM.	65-29-2	Iodine salt	http://www.selleckchem.com/products/Gallamine-triethiodide(Flaxedil).html
3656 / 3663 / 3670	G05	S2325	Morin Hydrate	199	Others	Others	Morin hydrate(Aurantica) is a flavonoid isolated from Maclura pomifera (Osage orange), Maclura tinctoria (old fustic) and from leaves of Psidium guajava (common guava).	6202-27-3	hydrate	http://www.selleckchem.com/products/Morin-hydrate(Aurantica).html
3656 / 3663 / 3670	G06	S2484	Milrinone	198	Metabolism	ATPase,PDE	Milrinone is a potent and selective phosphodiesterase 3 inhibitor with an IC50 of 0.42 µM for the inhibition of FIII PDE.	78415-72-2	free base	http://www.selleckchem.com/products/Milrinone(Pri-macor).html
3656 / 3663 / 3670	G07	S2341	(-)-Parthenolide	10	Ubiquitin	E3 Ligase	(-)-Parthenolide is a sesquiterpene lactone which occurs naturally in the plant feverfew(Tanacetum parthenium) and also promotes the ubiquitination of MDM2 and activates p53 cellular functions.	20554-84-1	free base	http://www.selleckchem.com/products/Parthenolide(-)-Parthenolide.html
3656 / 3663 / 3670	G08	S2496	Ozagrel	201	Metabolism	Factor Xa	Ozagrel is a potent and selective thromboxane A2 synthetase inhibitor with an IC50 of 4 nM.	82571-53-7	free base	http://www.selleckchem.com/products/Ozagrel.html
3656 / 3663 / 3670	G09	S2355	Sclareolide	10	Others	Others	Sclareolide(Norambreinolide) is a sesquiterpene lactone natural product derived from various plant sources including Salvia sclarea, Salvia yosgadensis, and cigar tobacco.	564-20-5	free base	http://www.selleckchem.com/products/Sclareolide(Norambreinolide).html
3656 / 3663 / 3670	G10	S2506	Roxithromycin	199	Others	Others	Roxithromycin is a semi-synthetic macrolide antibiotic. It is used to treat respiratory tract, urinary and soft tissue infections.	80214-83-1	free base	http://www.selleckchem.com/products/Roxithromycin(Roxl-150).html
3656 / 3663 / 3670	G11	S2367	Tetrahydropapaverine HCl	18	Others	Others	Tetrahydropapaverine, one of the TIQs and an analogue of salsolinol and tetrahydropapaveroline, has been reported to have neurotoxic effects on dopamine neurons.	1654280	hydrochloride	http://www.selleckchem.com/products/Tetrahydropapaverine-hydrochloride.html
3656 / 3663 / 3670	G12	S2527	Methacycline HCl	10	Others	Others	Methacycline HCl is a tetracycline antibiotic.	3963-95-9	hydrochloride	http://www.selleckchem.com/products/Methacycline-hydrochloride-Physiomycine.html
3656 / 3663 / 3670	G13	S2380	Diosmetin	199	Others	Others	Diosmetin is a bioflavonoid found in spearmint, oregano, and many other plants.	520-34-3	free base	http://www.selleckchem.com/products/Diosmetin(Luteolin-4-methyl-ether).html
3656 / 3663 / 3670	G14	S2537	Secnidazole	199	Others	Others	Secnidazole (Flagentyl) is a nitroimidazole anti-infective.	3366-95-8	free base	http://www.selleckchem.com/products/Secnidazole-Flagentyl.html
3656 / 3663 / 3670	G15	S2394	Naringenin	10	Metabolism	P450 (e.g. CYP17)	Naringenin is a natural predominant flavanone derived from plant food, which is considered to have a bioactive effect on human health as antioxidant, free radical scavenger, anti-inflammatory, carbohydrate metabolism promoter, and immune system modulator.	480-41-1	free base	http://www.selleckchem.com/products/Naringenin.html
3656 / 3663 / 3670	G16	S2554	Daphnetin	202	DNA Damage	DNA/RNA Synthesis	Daphnetin, a natural coumarin derivative, is a protein kinase inhibitor, inhibits EGFR, PKA and PKC with IC50 of 7.67 µM, 9.33 µM and 25.01 µM, respectively, also known to exhibit anti-inflammatory and anti-oxidant activities.	486-35-1	free base	http://www.selleckchem.com/products/Daphnetin.html
3656 / 3663 / 3670	G17	S2406	Chrysophanic Acid	10	Protein Tyrosine Kinase	mTOR,EGFR	Chrysophanic acid (Chrysophanol), a natural anthraquinone isolated from Dianella longifolia, is a EGFR/mTOR pathway inhibitor.	481-74-3	free base	http://www.selleckchem.com/products/Chrysophanic-acid-Chrysophanol.html
3656 / 3663 / 3670	G18	S2566	Isoprenaline HCl	201	Neuronal Signaling	Adrenergic Receptor	Isoprenaline is a non-selective β-adrenoceptor, inhibits the 3H-inositol phosphate accumulation with IC50 of 0.08 µM.	51-30-9	hydrochloride	http://www.selleckchem.com/products/Isoprenaline-hydrochloride.html
3656 / 3663 / 3670	G19	S2417	20-Hydroxyecdysone	199	Others	Others	20-Hydroxyecdysone (Ecdysterone, 20E) is a naturally occurring ecdysteroid hormone which controls the ecdysis (moulting) and metamorphosis of arthropods.	5289-74-7	free base	http://www.selleckchem.com/products/20-hydroxyecdysone.html
3656 / 3663 / 3670	G20	S2586	Dimethyl Fumarate	201	Others	Others	Dimethyl fumarate is a promising novel oral therapeutic option shown to reduce disease activity and progression in patients with relapsing-remitting multiple sclerosis.	624-49-7	fumarate	http://www.selleckchem.com/products/dimethyl-Fumarate.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3656 / 3663 / 3670	G21	S2455	Bethanechol chloride	198	Neuronal Signaling	AChR	Bethanechol chloride is a selective muscarinic receptor agonist without any effect on nicotinic receptors.	590-63-6	chloride	selleckchem.com/products/Carbamyl-beta-methylcholine-chloride(Bethanechol-chloride).html
3656 / 3663 / 3670	G22	S2603	Tioxolone	202	Metabolism	Carbonic Anhydrase	Tioxolone is a metalloenzyme carbonic anhydrase I inhibitor with a Ki of 91 nM.	4991-65-5	free base	http://www.selleckchem.com/products/tioxolone.html
3656 / 3663 / 3670	H03	S2614	Arecoline	199	Neuronal Signaling	AChR	Arecoline is a muscarinic acetylcholine receptor agonist.	300-08-3	HBr	http://www.selleckchem.com/products/arecoline.html
3656 / 3663 / 3670	H04	S2759	CUDC-907	200	Cytoskeletal Signaling	PI3K,HDAC	CUDC-907 is a dual PI3K and HDAC inhibitor for PI3K α and HDAC1/2/3/10 with IC50 of 19 nM and 1.7 nM/5 nM/1.8 nM/2.8 nM, respectively. Phase 1.	1339928-25-4	free base	http://www.selleckchem.com/products/cudc-907.html
3656 / 3663 / 3670	H05	S2624	OSI-027	44	PI3K/Akt/mTOR	mTOR	OSI-027 is a selective and potent dual inhibitor of mTORC1 and mTORC2 with IC50 of 22 nM and 65 nM, and more than 100-fold selectivity observed for mTOR than PI3K α , PI3K β , PI3K γ or DNA-PK.	936890-98-1	free base	http://www.selleckchem.com/products/OSI027.html
3656 / 3663 / 3670	H06	S2773	SB705498	200	Others	TRPV	SB705498 is a TRPV1 antagonist for hTRPV1, antagonizes capsaicin, acid, and heat activation of TRPV1 with IC50 of 3 nM, 0.1 nM and 6 nM, shows a degree of voltage dependence, exhibits >100-fold selectivity for TRPV1 over TRPM8. Phase 2.	501951-42-4	free base	http://www.selleckchem.com/products/sb705498.html
3656 / 3663 / 3670	H07	S2634	DCC-2036 (Rebastinib)	200	Angiogenesis	Bcr-Abl	DCC-2036 is a conformational control Bcr-Abl inhibitor for Abl1(WT) and Abl1(T315I) with IC50 of 0.8 nM and 4 nM, also inhibits SRC, LYN, FGR, HCK, KDR, FLT3, and Tie-2, and low activity to seen towards c-Kit. Phase 1/2.	1020172-07-9	free base	http://www.selleckchem.com/products/dcc-2036.html
3656 / 3663 / 3670	H08	S2783	AZD2014	82	PI3K/Akt/mTOR	mTOR	AZD2014 is a novel mTOR inhibitor with IC50 of 2.8 nM; highly selective against multiple PI3K isoforms ($\alpha/\beta/\gamma/\delta$). Phase 2.	1009298-59-2	free base	http://www.selleckchem.com/products/azd2014.html
3656 / 3663 / 3670	H09	S2660	MK-0752	200	Proteases	Gamma-secretase,Beta Amyloid	MK-0752 is a moderately potent γ -secretase inhibitor, which reduces A β 40 production with IC50 of 5 nM. Phase 1/2.	471905-41-6	free base	http://www.selleckchem.com/products/mk-0752.html
3656 / 3663 / 3670	H10	S2794	Sofosbuvir (PSI-7977, GS-7977)	100	DNA Damage	DNA/RNA Synthesis	Sofosbuvir (PSI-7977, GS-7977) is a HCV NS5B polymerase inhibitor for the treatment of chronic hepatitis C virus (HCV) infection.	1190307-88-0	Free Base	www.selleckchem.com/products/psi-7977-gs-7977.html
3656 / 3663 / 3670	H11	S2671	AS-252424	199	PI3K/Akt/mTOR	PI3K	AS-252424 is a novel, potent PI3K γ inhibitor with IC50 of 30 nM with 30-fold selectivity for PI3K γ than PI3K α , and low inhibitory activity towards PI3K δ/β .	900515-16-4	free base	http://www.selleckchem.com/products/as-252424.html
3656 / 3663 / 3670	H12	S2811	INK 128 (MLN0128)	200	PI3K/Akt/mTOR	mTOR	INK 128 is a potent and selective mTOR inhibitor with IC50 of 1 nM; >200-fold less potent to class I PI3K isoforms, superior in blocking mTORC1/2 and sensitive to pro-invasion genes (vs Rapamycin). Phase 1.	1224844-38-5	free base	http://www.selleckchem.com/products/ink128.html
3656 / 3663 / 3670	H13	S2685	KW-2478	200	Cytoskeletal Signaling	HSP (e.g. HSP90)	KW-2478 is a nonansamycin HSP90 inhibitor with IC50 of 3.8 nM. Phase 1/2	819812-04-9	free base	http://www.selleckchem.com/products/kw-2478.html
3656 / 3663 / 3670	H14	S3007	Zanamivir	10	Others	Others	Zanamivir is a neuraminidase inhibitor used in the treatment and prophylaxis of influenza caused by influenza A virus and influenza B virus.	139110-80-8	free base	http://www.selleckchem.com/products/zanamivir-releza.html
3656 / 3663 / 3670	H15	S2699	CH5132799	31	PI3K/Akt/mTOR	mTOR,PI3K	CH5132799 inhibits class I PI3Ks, particularly PI3K α with IC50 of 14 nM; less potent to PI3K β/γ , while sensitive in PIK3CA mutations cell lines. Phase 1.	1007207-67-1	free base	http://www.selleckchem.com/products/ch5132799.html
3656 / 3663 / 3670	H16	S3023	Bufexamac	201	Neuronal Signaling	COX	Bufexamac is a COX inhibitor for IFN- α release with EC50 of 8.9 μ M.	2438-72-4	free base	http://www.selleckchem.com/products/bufexamac.html
3656 / 3663 / 3670	H17	S2719	AMG-900	198	Cell Cycle	Aurora Kinase	AMG 900 is a potent and highly selective pan-Aurora kinases inhibitor for Aurora A/B/C with IC50 of 5 nM/4 nM /1 nM. It is >10-fold selective for Aurora kinases than p38 α , Tyk2, JNK2, Met and Tie2. Phase 1.	945595-80-2	free base	http://www.selleckchem.com/products/amg-900.html
3656 / 3663 / 3670	H18	S4001	Cabozantinib malate (XL184)	100	Protein Tyrosine Kinase	VEGFR	Cabozantinib malate is the malate of Cabozantinib, a potent VEGFR2 inhibitor with IC50 of 0.035 nM and also inhibits c-Met, Ret, Kit, Flt-1/3/4, Tie2, and AXL with IC50 of 1.3 nM, 4 nM, 4.6 nM, 12 nM/11.3 nM/6 nM, 14.3 nM and 7 nM, respectively.	1140909-48-3	Malate	www.selleckchem.com/products/cabozantinib-malate.html
3656 / 3663 / 3670	H19	S2731	AZ 3146	61	Cytoskeletal Signaling	Kinesin	AZ3146 is a selective Mps1 inhibitor with IC50 of ~35 nM, contributes to recruitment of CENP-E (kinesin-related motor protein), less potent to FAK, JNK1, JNK2, and Kit.	1124329-14-1	free base	http://www.selleckchem.com/products/az-3146.html
3656 / 3663 / 3670	H20	S6003	Ataluren (PTC124)	200	Transmembrane Transporters	CFTR	PTC124 (Ataluren) selectively induces ribosomal read-through of premature but not normal termination codons, with EC50 of 0.1 μ M, may provide treatment for genetic disorders caused by nonsense mutations (e.g. CF caused by CFTR nonsense mutation). Phase 3.	775304-57-9	free base	http://www.selleckchem.com/products/PTC124.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3656 / 3663 / 3670	H21	S2747	AMG-458	38	Protein Tyrosine Kinase	c-Met	AMG 458 is a potent c-Met inhibitor with Ki of 1.2 nM, ~350-fold selectivity for c-Met than VEGFR2 in cells.	913376-83-7	free base	http://www.selleckchem.com/products/amg458.html
3656 / 3663 / 3670	I03	S2311	Hyodeoxycholic acid (HDCA)	201	Others	Others	Hyodeoxycholic(HDCA) acid is a secondary bile acid, one of the metabolic byproducts of intestinal bacteria.	83-49-8	free base	http://www.selleckchem.com/products/Hyodeoxycholic-acid(HDCA).html
3656 / 3663 / 3670	I04	S2473	Hexestrol	155	Endocrinology & Hormones	Estrogen/progesterogen Receptor	Hexestrol binds to ER α and ER β with EC50 of 0.07 nM and 0.175 nM, respectively.	84-16-2	free base	http://www.selleckchem.com/products/Hexestrol(Bibenzyl).html
3656 / 3663 / 3670	I05	S2326	Myricetin	201	Others	Others	Myricetin(Cannabiscetin) is a flavonoid found in many grapes, berries, fruits, vegetables, herbs, as well as other plants, which has antioxidant and anti tumor properties.	529-44-2	free base	http://www.selleckchem.com/products/Myricetin(Cannabiscetin).html
3656 / 3663 / 3670	I06	S2485	Mitoxantrone HCl	172	Others	Others	Mitoxantrone HCl is a classic folic acid antagonist.	70476-82-3	hydrochloride	http://www.selleckchem.com/products/Mitoxantrone.html
3656 / 3663 / 3670	I07	S2342	Phloretin	200	Others	Others	Phloretin is a dihydrochalcone found in apple tree leaves, which shows beneficial effects on diabetes.	60-82-2	free base	http://www.selleckchem.com/products/Phloretin(Dihydronaringenin).html
3656 / 3663 / 3670	I08	S2497	Pancuronium dibromide	136	Neuronal Signaling	AChR	Pancuronium dibromide is a competitive acetylcholine antagonist with an IC50 of 5.5 \pm 0.5 nM.	15500-66-0	bromide	http://www.selleckchem.com/products/Pancuronium-bromide(Pavulon).html
3656 / 3663 / 3670	I09	S2356	Shikimic Acid	10	Others	Others	Shikimic acid(Shikimate), more commonly known as its anionic form shikimate, is an important biochemical intermediate in plants and microorganisms.	138-59-0	free base	http://www.selleckchem.com/products/Shikimic-acid(Shikimate).html
3656 / 3663 / 3670	I10	S2508	Scopolamine HBr	200	Neuronal Signaling	AChR	Scopolamine hydrobromide is a competitive muscarinic acetylcholine receptor with an IC50 of 55.3 \pm 4.3 nM.	114-49-8	hydrobromide	http://www.selleckchem.com/products/Scopolamine-hydrobromide.html
3656 / 3663 / 3670	I11	S2370	Ursolic Acid	199	Others	Others	Ursolic acid (Malol) is a pentacyclic triterpene acid, used in cosmetics.	77-52-1	free base	http://www.selleckchem.com/products/Ursolic-acid(Malol).html
3656 / 3663 / 3670	I12	S2528	Ciclopirox	202	Others	Others	Ciclopirox (Penlac) is a synthetic antifungal agent.	29342-05-0	free base	http://www.selleckchem.com/products/Ciclopirox-Penlac.html
3656 / 3663 / 3670	I13	S2381	D-Mannitol	197	Others	Others	D-Mannitol is an osmotic diuretic agent and a weak renal vasodilator.	69-65-8	free base	http://www.selleckchem.com/products/D-Mannitol(Osmitrol).html
3656 / 3663 / 3670	I14	S2542	Phenformin HCl	198	PI3K/Akt/mTOR	AMPK	Phenformin hydrochloride is a hydrochloride salt of phenformin that is an anti-diabetic drug from the biguanide class.	834-28-6	hydrochloride	http://www.selleckchem.com/products/Phenformin-hydrochloride.html
3656 / 3663 / 3670	I15	S2395	Rheochrysidin	21	Others	Others	Physcion is a anthraquinone from roots of Rheum officinale Baill.	521-61-9	free base	http://www.selleckchem.com/products/Rheochrysidin-Physcione.html
3656 / 3663 / 3670	I16	S2555	Clarithromycin	10	Metabolism	P450 (e.g. CYP17)	Clarithromycin (Biaxin, Klacid) is a macrolide antibiotic and a CYP3A4 inhibitor.	81103-11-9	free base	http://www.selleckchem.com/products/clarithromycin.html
3656 / 3663 / 3670	I17	S2407	Curcumul	198	Others	Others	Curcumul is a pure monomer isolated from Rhizoma Curcumaeis with antitumor activities.	4871-97-0	free base	http://www.selleckchem.com/products/Curcumul.html
3656 / 3663 / 3670	I18	S2567	Medroxyprogesterone acetate	31	Endocrinology & Hormones	Estrogen/progesterogen Receptor	Medroxyprogesterone acetate is a progestin, a synthetic variant of the human hormone progesterone and a potent progesterone receptor agonist.	71-58-9	free base	http://www.selleckchem.com/products/Medroxyprogesterone-acetate.html
3656 / 3663 / 3670	I19	S2420	Aloperine	10	Others	Others	Aloperine is exhibits anti-inflammatory, antibacterial, antiviral, and anti-tumor properties.	56293-29-9	free base	http://www.selleckchem.com/products/aloperine.html
3656 / 3663 / 3670	I20	S2589	Migliitol	14	Others	Others	Migliitol is an oral anti-diabetic drug.	72432-03-2	free base	http://www.selleckchem.com/products/migliitol-glyset.html
3656 / 3663 / 3670	I21	S2457	Clindamycin HCl	199	Others	Others	Clindamycin hydrochloride(Dalacin) is the hydrated hydrochloride salt of clindamycin which is a semisynthetic antibiotic.	21462-39-5	hydrochloride	http://www.selleckchem.com/products/Clindamycin-hydrochloride(Dalacin).html
3656 / 3663 / 3670	I22	S2604	Dehydroepiandrosterone (DHEA)	10	Endocrinology & Hormones	Androgen Receptor	Dehydroepiandrosterone(DHEA) is a 19-carbon endogenous natural steroid hormone.Phase 3.	53-43-0	free base	http://www.selleckchem.com/products/Dehydroepiandrosterone(DHEA).html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3656 / 3663 / 3670	J03	S2615	Noradrenaline bitartrate monohydrate	189	Others	Others	Noradrenaline bitartrate monohydrate is a direct alpha-adrenergic receptors stimulator.	108341-18-0	monohydrate	http://www.selleckchem.com/products/noradrenaline-bitartrate-monohydrate-levophed.html
3656 / 3663 / 3670	J04	S2760	Canagliflozin	200	GPCR & G Protein	SGLT	Canagliflozin is a highly potent and selective SGLT2 inhibitor for hSGLT2 with IC50 of 2.2 nM, exhibits 413-fold selectivity over hSGLT1.	842133-18-0	free base	http://www.selleckchem.com/products/canagliflozin.html
3656 / 3663 / 3670	J05	S2626	LY2603618	29	Cell Cycle	Chk	LY2603618 is a selective Chk1 inhibitor with potential anti-tumor activity.	911222-45-2	free base	http://www.selleckchem.com/products/LY2603618-IC-83.html
3656 / 3663 / 3670	J06	S2775	Nocodazole	23	Cytoskeletal Signaling	Microtubule Associated, Autophagy	Nocodazole is a rapidly-reversible inhibitor of microtubule polymerization, also inhibits Abl, Abl(E255K) and Abl(T315I) with IC50 of 0.21 µM, 0.53 µM and 0.64 µM, respectively.	31430-18-9	free base	http://www.selleckchem.com/products/nocodazole.html
3656 / 3663 / 3670	J07	S2635	CCT128930	198	PI3K/Akt/mTOR	Akt	CCT128930 is a potent, ATP-competitive and selective inhibitor of Akt2 with IC50 of 6 nM, 28-fold greater selectivity for Akt2 than the closely related PKA kinase.	885499-61-6	free base	http://www.selleckchem.com/products/cct128930.html
3656 / 3663 / 3670	J08	S2784	TAK-285	200	Protein Tyrosine Kinase	EGFR, HER2	TAK-285 is a novel dual HER2 and EGFR(HER1) inhibitor with IC50 of 17 nM and 23 nM, >10-fold selectivity for HER1/2 than HER4, less potent to MEK1/5, c-Met, Aurora B, Lck, CSK etc. Phase 1.	871026-44-7	free base	http://www.selleckchem.com/products/tak-285.html
3656 / 3663 / 3670	J09	S2661	WYE-125132 (WYE-132)	200	PI3K/Akt/mTOR	mTOR	WYE-125132 is a highly potent, ATP-competitive mTOR inhibitor with IC50 of 0.19 nM; highly selective for mTOR versus PI3Ks or PI3K-related kinases hSMG1 and ATR.	1144068-46-1	free base	http://www.selleckchem.com/products/wye-125132.html
3656 / 3663 / 3670	J10	S2795	VU 0357121	199	Neuronal Signaling	GluR	VU0357121 is a novel positive allosteric modulator (PAM) of mGlu5 with EC50 of 33 nM, is inactive or very weakly antagonizing at other mGlu receptor subtypes.	433967-28-3	free base	http://www.selleckchem.com/products/vu-0357121.html
3656 / 3663 / 3670	J11	S2673	Trametinib (GSK1120212)	162	MAPK	MEK	Trametinib (GSK1120212) is a highly specific and potent MEK1/2 inhibitor with IC50 of 0.92 nM/1.8 nM, no inhibition of the kinase activities of c-Raf, B-Raf, ERK1/2. Phase 3.	871700-17-3	free base	http://www.selleckchem.com/products/gsk1120212-(jtp-74057).html
3656 / 3663 / 3670	J12	S2814	BYL719	199	PI3K/Akt/mTOR	PI3K	BYL719 is a potent and selective PI3Kα inhibitor with IC50 of 5 nM, and minimal effect on PI3Kβ/γ/δ. Phase 1/2.	1217486-61-7	free base	http://www.selleckchem.com/products/byl719.html
3656 / 3663 / 3670	J13	S2686	NVP-BSK805 2HCl	200	JAK/STAT	JAK	NVP-BSK805 is a potent and selective ATP-competitive JAK2 inhibitor with IC50 of 0.5 nM, >20-fold selectivity towards JAK1, JAK3 and TYK2.	1092499-93-8(freebase)	hydrochloride	http://www.selleckchem.com/products/nvp-bsk805.html
3656 / 3663 / 3670	J14	S3008	Zaltoprofen	201	Neuronal Signaling	COX	Zaltoprofen is an inhibitor of Cox-1 and Cox-2 for treatment of arthritis.	74711-43-6	free base	http://www.selleckchem.com/products/zaltoprofen.html
3656 / 3663 / 3670	J15	S2700	KX2-391	199	Angiogenesis	Src	KX2-391 (KX01), the first clinical Src inhibitor (peptidomimetic class) that targets the peptide substrate site of Src, with GI50 of 9-60 nM in cancer cell lines. Phase 1/2.	897016-82-9	free base	http://www.selleckchem.com/products/kx2-391.html
3656 / 3663 / 3670	J16	S3025	PMSF	200	Others	Others	PMSF is an irreversible serine/cysteine protease inhibitor.	329-98-6	free base	http://www.selleckchem.com/products/pmsf-phenylmethylsulfonyl-fluoride.html
3656 / 3663 / 3670	J17	S2720	ZM 336372	200	MAPK	Raf	ZM 336372 is a potent and selective c-Raf inhibitor with IC50 of 70 nM, 10-fold selectivity over B-RAF, no inhibition to PKA/B/C, AMPK, p70S6, etc.	208260-29-1	free base	http://www.selleckchem.com/products/zm-336372.html
3656 / 3663 / 3670	J18	S4002	Sitagliptin phosphate monohydrate	191	Proteases	DPP-4	Sitagliptin phosphate is a potent inhibitor of DPP-IV with IC50 of 19 nM in Caco-2 cell extracts.	654671-77-9	phosphate	http://www.selleckchem.com/products/Sitagliptin.html
3656 / 3663 / 3670	J19	S2735	MK-8776 (SCH 900776)	10	Cell Cycle	CDK, Chk	SCH 900776 is a selective Chk1 inhibitor with IC50 of 3 nM. It shows 500-fold selectivity against Chk2. Phase 2.	891494-63-6	free base	http://www.selleckchem.com/products/sch-900776.html
3656 / 3663 / 3670	J20	S6005	VX-702	200	MAPK	p38 MAPK	VX-702 is a highly selective inhibitor of p38α MAPK, 14-fold higher potency against the p38α versus p38β. Phase 2.	745833-23-2	free base	http://www.selleckchem.com/products/VX-702.html
3656 / 3663 / 3670	J21	S2748	Anacetrapib (MK-0859)	199	Metabolism	CETP	Anacetrapib (MK0859) is a potent, selective, reversible rHCETP and mutant CETP(C13S) inhibitor with IC50 of 7.9 nM and 11.8 nM, increases HDL-C and decreases LDL-C, does not increase aldosterone or blood pressure. Phase 3.	875446-37-0	free base	http://www.selleckchem.com/products/anacetrapib-mk-0859.html
3656 / 3663 / 3670	K03	S2312	Icariin	73	Metabolism	PDE	Icariin is a cGMP-specific PDE5 inhibitor with IC50 of 0.432 µM, 167-fold more selective for PDE5 than PDE4.	489-32-7	free base	http://www.selleckchem.com/products/icariin.html
3656 / 3663 / 3670	K04	S2475	Imatinib (STI571)	10	Protein Tyrosine Kinase	PDGFR	Imatinib is a multi-target inhibitor of v-Abl, c-Kit and PDGFR with IC50 of 0.6 µM, 0.1 µM and 0.1 µM, respectively.	152459-95-5	free base	http://www.selleckchem.com/products/imatinib(STI571).html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3656 / 3663 / 3670	K05	S2328	Nalidixic acid	25	Others	Others	Nalidixic acid(NegGram) is a synthetic 1,8-naphthyridine antimicrobial agent with a limited bacteriocidal spectrum. It is an inhibitor of the A subunit of bacterial DNA gyrase.	389-08-2	free base	http://www.selleckchem.com/products/Nalidixic-acid(NegGram).html
3656 / 3663 / 3670	K06	S2486	Moroxydine HCl	202	Others	Others	Moroxydine HCl is a synthetic antiviral compound chemically belonging to the series of the heterocyclic biguanidines.	3160-91-6	hydrochloride	http://www.selleckchem.com/products/Moroxydine-hydrochloride.html
3656 / 3663 / 3670	K07	S2343	Phlorizin	199	Others	Others	Phlorizin is a dihydrochalcone found in the bark of pear (Pyrus communis), apple, cherry and other fruit trees.	60-81-1	free base	http://www.selleckchem.com/products/Phlorizin(Phloridzin).html
3656 / 3663 / 3670	K08	S2498	D-Pantothenic acid	200	Others	Others	D-Pantothenic acid is a water-soluble vitamin and an essential nutrient for for many animals.	79-83-4	free base	http://www.selleckchem.com/products/Pantothenic-acid(pantothenate).html
3656 / 3663 / 3670	K09	S2357	Silibinin	10	Others	Others	Silibinin, the main flavonoid extracted from the milk thistle Silybum marianum, displays hepatoprotective properties in acute and chronic liver injury.	22888-70-6	free base	http://www.selleckchem.com/products/Silibinin(Silybin).html
3656 / 3663 / 3670	K10	S2509	Sotalol	200	Neuronal Signaling	Adrenergic Receptor	Sotalol (Betapace) is a non-selective beta blocker and a potassium channel blocker with an IC50 of 43 µM	959-24-0	hydrochloride	http://www.selleckchem.com/products/Sotalol-hydrochloride(Betapace).html
3656 / 3663 / 3670	K11	S2373	Yohimbine HCl	10	Others	Others	Yohimbine has been used as a mydriatic and in the treatment of impotence. It is also alleged to be an aphrodisiac.	65-19-0	hydrochloride	http://www.selleckchem.com/products/Yohimbine-hydrochloride(Antagonil).html
3656 / 3663 / 3670	K12	S2529	Dopamine HCl	200	Neuronal Signaling	Dopamine Receptor	Dopamine hydrochloride (Inotropin) is a catecholamine neurotransmitter present in a wide variety of animals,And a dopamine D1-5 receptors agonist.	62-31-7	hydrochloride	http://www.selleckchem.com/products/Dopamine-hydrochloride-Inotropin.html
3656 / 3663 / 3670	K13	S2384	Hematoxylin	201	Others	Others	Hematoxylin (Hydroxybraziliin) is a compound that forms strongly colored complexes with certain metal ions, notably Fe(III) and Al(III) salts and a kind of stain in histology.	517-28-2	free base	http://www.selleckchem.com/products/Hematoxylin(Hydroxybraziliin).html
3656 / 3663 / 3670	K14	S2543	Ceftiofur HCl	199	Others	Others	Ceftiofur hydrochloride is a hydrochloride of ceftiofur that is a broad spectrum cephalosporin.	103980-44-5	hydrochloride	http://www.selleckchem.com/products/Ceftiofur-hydrochloride.html
3656 / 3663 / 3670	K15	S2396	Salidroside	10	Others	Others	Salidroside, a phenylpropanoid glycoside isolated from Rhodiola rosea, has been reported to have a broad spectrum of pharmacological properties.	10338-51-9	free base	http://www.selleckchem.com/products/Salidroside-Rhodioloside.html
3656 / 3663 / 3670	K16	S2556	Rosiglitazone	201	DNA Damage	PPAR	Rosiglitazone (Avandia) is a potent antihyperglycemic agent and a potent thiazolidinedione insulin sensitizer with IC50 of 12, 4 and 9 nM for rat, 3T3-L1 and human adipocytes, respectively.	122320-73-4	free base	http://www.selleckchem.com/products/Rosiglitazone-Avandia.html
3656 / 3663 / 3670	K17	S2408	Cephalomannine	132	Others	Others	Cephalomannine is an active anti-cancer agent obtained from Taxus yunnanensis and has an antineoplastic effect on tumors found in mice.	71610-00-9	free base	http://www.selleckchem.com/products/cephalomannine.html
3656 / 3663 / 3670	K18	S2569	Phenylephrine HCl	201	GPCR & G Protein	Adrenergic Receptor	Phenylephrine hydrochloride is a selective α1-adrenergic receptor agonist.	61-76-7	hydrochloride	http://www.selleckchem.com/products/Phenylephrine-hydrochloride.html
3656 / 3663 / 3670	K19	S2422	Ipriflavone (Osteofix)	10	Others	Others	Ipriflavone (7-Isopropoxyisoflavon) is used to inhibit bone resorption.	35212-22-7	free base	http://www.selleckchem.com/products/ipriflavone.html
3656 / 3663 / 3670	K20	S2593	Tolvaptan	200	GPCR & G Protein	Vasopressin Receptor	Tolvaptan is a selective, competitive arginine vasopressin receptor 2 antagonist with an IC50 of 1.28µM for the inhibition of AVP-induced platelet aggregation.	150683-30-0	free base	http://www.selleckchem.com/products/tolvaptan-opc-41061.html
3656 / 3663 / 3670	K21	S2458	Clonidine HCl	198	Neuronal Signaling	Adrenergic Receptor, Autophagy	Clonidine hydrochloride(Catapres) is a direct-acting α2 adrenergic agonist with an ED50 of 0.02±0.01 mg/kg.	4205-91-8	hydrochloride	http://www.selleckchem.com/products/Clonidine-hydrochloride(Catapres).html
3656 / 3663 / 3670	K22	S2605	Idebenone	200	Others	Others	Idebenone is a synthetic analog of coenzyme Q10 (CoQ10) and a brain stimulant.	58186-27-9	free base	http://www.selleckchem.com/products/idebenone.html
3656 / 3663 / 3670	L03	S2617	TAK-733	200	MAPK	MEK	TAK-733 is a potent and selective MEK allosteric site inhibitor for MEK1 with IC50 of 3.2 nM, inactive to Abl1, AKT3, c-RAF, CamK1, CDK2, c-Met, etc. Phase 1.	1035555-63-5	free base	http://www.selleckchem.com/products/tak-733.html
3656 / 3663 / 3670	L04	S2761	NVP-BVU972	199	Protein Tyrosine Kinase	c-Met	NVP-BVU972 is a selective and potent Met inhibitor with IC50 of 14 nM.	1185763-69-2	free base	http://www.selleckchem.com/products/nvp-bvu972.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3656 / 3663 / 3670	L05	S2627	Tubastatin A HCl	198	Epigenetics	HDAC	Tubastatin A is a potent and selective HDAC6 inhibitor with IC50 of 15 nM. It is selective (1000-fold more) against all other isozymes except HDAC8 (57-fold more).	1310693-92-5	hydrochloride	http://www.selleckchem.com/products/tubastatin-a-hcl.html
3656 / 3663 / 3670	L06	S2776	CPI-613	200	Metabolism	Dehydrogenase	CPI-613, a lipolate analog, inhibits mitochondrial enzymes pyruvate dehydrogenase (PDH) and α -ketoglutarate dehydrogenase, disrupts tumor cell mitochondrial metabolism. Phase 2.	95809-78-2	free base	http://www.selleckchem.com/products/cpi-613.html
3656 / 3663 / 3670	L07	S2636	A66	200	PI3K/Akt/mTOR	PI3K	A66 is a potent and specific p110 α inhibitor with IC50 of 32 nM, >100 fold selectivity for p110 α over other class-I PI3K isoforms.	1166227-08-2	free base	http://www.selleckchem.com/products/a66.html
3656 / 3663 / 3670	L08	S2785	A-803467	201	Transmembrane Transporters	Sodium Channel	A-803467 is a selective Nav1.8 channel blocker with IC50 of 8 nM, blocks tetrodotoxin-resistant currents, exhibits >100-fold selectivity against human Nav1.2, Nav1.3, Nav1.5, and Nav1.7.	944261-79-4	free base	http://www.selleckchem.com/products/a-803467.html
3656 / 3663 / 3670	L09	S2663	WAY-100635 Maleate	157	Neuronal Signaling	5-HT Receptor	WAY 100635 is a potent and selective 5-HT1A receptor agonist with pIC50 of 8.87, exhibits >100-fold selectivity against other 5-HT receptor subtypes and major neurotransmitter receptors.	1092679-51-0	hydrochloride	http://www.selleckchem.com/products/way-100635.html
3656 / 3663 / 3670	L10	S2796	WP1066	202	JAK/STAT	JAK	WP1066 is a novel inhibitor of JAK2 and STAT3 with IC50 of 2.30 μ M and 2.43 μ M in HEL cells; shows activity to JAK2, STAT3, STAT5, and ERK1/2 not JAK1 and JAK3.	857064-38-1	free base	http://www.selleckchem.com/products/wp1066.html
3656 / 3663 / 3670	L11	S2674	A922500	200	Metabolism	Transferase	A 922500 is an inhibitor for human and mouse DGAT-1 with IC50 of 7 nM and 24 nM, respectively, good selectivity over related acyltransferases, hERG, and a panel of anti-targets.	959122-11-3	free base	http://www.selleckchem.com/products/a-922500.html
3656 / 3663 / 3670	L12	S2820	TAE226 (NVP-TAE226)	200	Angiogenesis	FAK	NVP-TAE226 is a potent FAK inhibitor with IC50 of 5.5 nM and modestly potent to Pyk2, ~10- to 100-fold less potent against InsR, IGF-1R, ALK, and c-Met.	761437-28-9	free base	http://www.selleckchem.com/products/nvp-tae226.html
3656 / 3663 / 3670	L13	S2688	R547	135	Cell Cycle	CDK	R547 is a potent ATP-competitive inhibitor of CDK1/2/4 with Ki of 2 nM/3 nM/1 nM. It is less potent to CDK7 and GSK3 α/β , while inactive to other kinases.	741713-40-6	free base	http://www.selleckchem.com/products/r547.html
3656 / 3663 / 3670	L14	S3012	Pazopanib	201	Protein Tyrosine Kinase	PDGFR, c-Kit, VEGFR	Pazopanib is a novel multi-target inhibitor of VEGFR1, VEGFR2, VEGFR3, PDGFR, FGFR, c-Kit and c-Fms with IC50 of 10 nM, 30 nM, 47 nM, 84 nM, 74 nM, 140 nM and 146 nM, respectively.	444731-52-6	free base	http://www.selleckchem.com/products/pazopanib.html
3656 / 3663 / 3670	L15	S2703	GSK1838705A	200	Protein Tyrosine Kinase	IGF-1R, ALK	GSK1838705A is a potent IGF-1R inhibitor with IC50 of 2.0 nM, modestly potent to IR and ALK with IC50 of 1.6 nM and 0.5 nM, respectively, and little activity to other protein kinases.	1116235-97-2	free base	http://www.selleckchem.com/products/gsk1838705a.html
3656 / 3663 / 3670	L16	S3026	Piceatannol	196	Angiogenesis	Syk	Piceatannol, a natural stilbene, is a selective Syk inhibitor and ~10-fold selectivity versus Lyn.	10083-24-6	free base	http://www.selleckchem.com/products/piceatannol.html
3656 / 3663 / 3670	L17	S2722	JTC-801	200	Neuronal Signaling	Opioid Receptor	JTC-801 is a selective opioid receptor-like1 (ORL1) receptor antagonist with IC50 of 94 nM, weakly inhibits receptors δ , κ , and μ .	244218-51-7	hydrochloride	http://www.selleckchem.com/products/jtc-801.html
3656 / 3663 / 3670	L18	S4075	Zinc Pyrithione	94	Transmembrane Transporters	Proton Pump	Zinc pyrithione is an antifungal and antibacterial agent disrupting membrane transport by blocking the proton pump.	13463-41-7	free base	http://www.selleckchem.com/products/zinc-pyrithione.html
3656 / 3663 / 3670	L19	S2736	TG101348 (SAR302503)	190	JAK/STAT	JAK	TG-101348 (SAR302503) is a selective inhibitor of JAK2 with IC50 of 3 nM, 35- and 334-fold more selective for JAK2 versus JAK1 and JAK3. Phase 1/2.	936091-26-8	free base	http://www.selleckchem.com/products/tg-101348.html
3656 / 3663 / 3670	L20	S7046	Brefeldin A	14	Transmembrane Transporters	ATPase, Autophagy	Brefeldin A is a lactone antibiotic and ATPase inhibitor for protein transport with IC50 of 0.2 μ M in HCT 116 cells, induces cancer cell differentiation and apoptosis.	20350-15-6	free base	http://www.selleckchem.com/products/brefeldin-a.html
3656 / 3663 / 3670	L21	S2749	BGT226 (NVP-BGT226)	46	PI3K/Akt/mTOR	PI3K, mTOR	NVP-BGT226 is a novel class I PI3K/mTOR inhibitor for PI3K $\alpha/\beta/\gamma$ with IC50 of 4 nM/63 nM/38 nM. Phase 1/2.	1245537-68-1	free base	http://www.selleckchem.com/products/nvp-bgt226.html
3656 / 3663 / 3670	M03	S2314	Kaempferol	199	Others	Others	Kaempferol is a natural flavonol, a type of flavonoid, that has been isolated from plant sources.	520-18-3	free base	http://www.selleckchem.com/products/kaempferol.html
3656 / 3663 / 3670	M04	S2476	Itraconazole	10	Others	Others	Itraconazole is a triazole antifungal agent.	84625-61-6	free base	http://www.selleckchem.com/products/itraconazole(Sporanox).html
3656 / 3663 / 3670	M05	S2334	Oleanolic Acid	45	Others	Others	Oleanolic Acid is a non-toxic, hepatoprotective triterpenoid found in Phytolacca Americana, which exerts antitumor and antiviral properties.	508-02-1	free base	http://www.selleckchem.com/products/Oleanolic-Acid(Caryophyllin).html
3656 / 3663 / 3670	M06	S2487	Mycophenolic acid	199	Others	Others	Mycophenolic acid is an immunosuppressant agent used to prevent rejection in organ transplantation.	24280-93-1	free base	http://www.selleckchem.com/products/Mycophenolic-acid(Mycophenolate).html
3656 / 3663 / 3670	M07	S2344	Piperine	199	Others	Others	Piperine (1-Piperoylpiperidine) is the alkaloid responsible for the pungency of black pepper and long pepper, which has also been used in some forms of traditional medicine and as an insecticide.	94-62-2	free base	http://www.selleckchem.com/products/Piperine(1-Piperoylpiperidine).html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3656 / 3663 / 3670	M08	S2499	Phenoxybenzamine HCl	199	GPCR & G Protein	Adrenergic Receptor	Phenoxybenzamine HCl is a non-specific, irreversible alpha antagonist with an IC50 of 550 nM.	63-92-3	hydrochloride	http://www.selleckchem.com/products/Phenoxybenzamine-hydrochloride.html
3656 / 3663 / 3670	M09	S2359	Sinomenine	200	Others	Others	Sinomenine, a pure alkaloid extracted from the chinese medical plant Sinomenium acutum, is used for the treatment of rheumatism and arthritis.	115-53-7	free base	http://www.selleckchem.com/products/Sinomenine(Cucoline).html
3656 / 3663 / 3670	M10	S2510	Spectinomycin HCl	244	Others	Others	Spectinomycin HCl is a new parenteral antibiotic prepared from Streptomyces spectabilis.	21736-83-4	hydrochloride	www.selleckchem.com/products/Spectinomycin-hydrochloride.html
3656 / 3663 / 3670	M11	S2374	5-hydroxytryptophan (5-HTP)	199	Others	Others	5-Hydroxytryptophan (5-HTP), also known as oxitriptan (INN), is a naturally occurring amino acid and chemical precursor for the treatment of depression.	56-69-9	free base	http://www.selleckchem.com/products/5-hydroxytryptophan(5-HTP).html
3656 / 3663 / 3670	M12	S2531	Asaraldehyde	198	Neuronal Signaling	COX	Asaraldehyde is a natural COX-2 inhibitor, exhibiting 17-fold selectivity over COX-1.	4460-86-0	free base	http://www.selleckchem.com/products/Asaraldehyde-Asaronaldehyde.html
3656 / 3663 / 3670	M13	S2385	Hordenine	199	Others	Others	Hordenine (N,N-dimethyl-4-hydroxyphenylethylamine) is a phenylethylamine alkaloid with antibacterial and antibiotic properties.	539-15-1	free base	http://www.selleckchem.com/products/Hordenine.html
3656 / 3663 / 3670	M14	S2545	Scopine	199	Neuronal Signaling	Adrenergic Receptor	Scopine is the metabolite of anisodine, which is a α 1-adrenergic receptor agonist and used in the treatment of acute circulatory shock.	498-45-3	free base	http://www.selleckchem.com/products/scopine.html
3656 / 3663 / 3670	M15	S2399	Dihyromyricetin	199	Others	Others	Dihyromyricetin (Ampelopsin, Ampeloptin) is a natural antioxidant flavonoid from Ampelopsis grossedentata.	27200-12-0	free base	http://www.selleckchem.com/products/Dihyromyricetin-Ampeloptin.html
3656 / 3663 / 3670	M16	S2557	Terbinafine HCl	201	Others	Others	Terbinafine hydrochloride (Lamisil) is a hydrochloride salt of terbinafine that is a synthetic allylamine antifungal and a squalene epoxidase inhibitor with an IC50 of 30 nM for Candida albicans.	78628-80-5	hydrochloride	www.selleckchem.com/products/Terbinafine-hydrochloride(Zabel).html
3656 / 3663 / 3670	M17	S2409	10-Deacetylbaicatin-III	200	Others	Others	10-Deacetylbaicatin-III is an antineoplastic agent and an anti-cancer intermediate.	32981-86-5	free base	http://www.selleckchem.com/products/10-dab-10-deacetylbaicatin.html
3656 / 3663 / 3670	M18	S2574	Tetracycline HCl	10	Others	Others	Tetracycline hydrochloride is a hydrochloride salt of tetracycline that is a broad-spectrum polyketide antibiotic.	64-75-5	hydrochloride	http://www.selleckchem.com/products/tetracycline-hydrochloride.html
3656 / 3663 / 3670	M19	S2437	Rotundine	10	Neuronal Signaling	Dopamine Receptor	Rotundine (L-tetrahydropalmatine, L-THP) is a selective dopamine D1 receptor antagonist with IC50 of 166 nM.	483-14-7	free base	http://www.selleckchem.com/products/rotundine.html
3656 / 3663 / 3670	M20	S2594	Pramiracetam	200	Others	Others	Pramiracetam is a more potent nootropic drug derived from piracetam.	68497-62-1	free base	http://www.selleckchem.com/products/pramiracetam.html
3656 / 3663 / 3670	M21	S2461	Domperidone	112	Neuronal Signaling	Dopamine Receptor	Domperidone(Motilium) is a dopamine blocker and an antidopaminergic reagent.	57808-66-9	free base	http://www.selleckchem.com/products/Domperidone(Motilium).html
3656 / 3663 / 3670	M22	S2606	Mifepristone	200	Endocrinology & Hormones	Estrogen/progesterone Receptor	Mifepristone is a remarkably active antagonist of progesterone receptor and glucocorticoid receptor with IC50 of 0.2 nM and 2.6 nM, respectively.	84371-65-3	free base	http://www.selleckchem.com/products/Mifepristone(Mifeprex).html
3656 / 3663 / 3670	N03	S2619	MG-132	199	Proteases	Proteasome	MG-132 is an inhibitor of proteasome with IC50 of 100 nM, and also inhibits calpain with IC50 of 1.2 μ M.	133407-82-6	free base	http://www.selleckchem.com/products/MG132.html
3656 / 3663 / 3670	N04	S2765	MK-2048	19	Microbiology	Integrase	MK-2048 is a potent inhibitor of integrase (IN) and INR263K with IC50 of 2.6 nM and 1.5 nM, respectively.	869901-69-9	free base	http://www.selleckchem.com/products/mk-2048.html
3656 / 3663 / 3670	N05	S2629	PNU-120596	198	Neuronal Signaling	AChR	PNU-120596 is a positive allosteric modulator of α 7 nAChR with EC50 of 216 nM.	501925-31-1	free base	http://www.selleckchem.com/products/pnu120596.html
3656 / 3663 / 3670	N06	S2777	PF-5274857	212	Stem Cells & Wnt	Hedgehog/Smoothened	PF-5274857 is a potent and selective Smoothened (Smo) antagonist, inhibits Hedgehog (Hh) signaling with IC50 and KI of 5.8 nM and 4.6 nM, respectively, and can penetrate the blood-brain barrier.	1373615-35-0	free base	http://www.selleckchem.com/products/pf-5274857.html
3656 / 3663 / 3670	N07	S2638	NU7441 (KU-57788)	10	DNA Damage	DNA-PK,PI3K	NU7441 is a highly potent and selective DNA-PK inhibitor with IC50 of 14 nM and also inhibits PI3K with IC50 of 5 μ M.	503468-95-9	free base	http://www.selleckchem.com/products/nu7441.html
3656 / 3663 / 3670	N08	S2787	Laquinimod	170	Others	Others	Laquinimod is a potent immunomodulator.	248281-84-7	free base	http://www.selleckchem.com/products/laquinimod-abr-215062.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL	
3656 / 3663 / 3670	N09	S2664	Clinofibrate	200	Endocrinology & Hormones	RAAS	Clinofibrate inhibits hydroxymethylglutaryl coenzyme A reductase (HMGCR) with IC50 of 0.47 mM, is a lipid-lowering agent used for controlling high cholesterol and triacylglyceride levels in the blood.	30299-08-2	free base	http://www.selleckchem.com/products/clinofibrate.html	
3656 / 3663 / 3670	N10	S2797	Lonafarnib	198	Metabolism	Transferase	Lonafarnib is an orally bioavailable FPTase inhibitor for H-ras, K-ras-4B and N-ras with IC50 of 1.9 nM, 5.2 nM and 2.8 nM, respectively. Phase 3.	193275-84-2	free base	http://www.selleckchem.com/products/lonafarnib-sch66336.html	
3656 / 3663 / 3670	N11	S2677	BRL-15572	200	Neuronal Signaling	5-HT Receptor	BRL-15572 is a 5-HT1D receptor antagonist with pKi of 7.9, also shows a considerable affinity at 5-HT1A and 5-HT2B receptors, exhibiting 60-fold selectivity over 5-HT1B receptor.	193611-72-2	dihydrochloride	http://www.selleckchem.com/products/brl-15572.html	
3656 / 3663 / 3670	N12	S2840	ARN-509	37	Endocrinology & Hormones	Androgen Receptor	ARN-509 is a selective and competitive androgen receptor inhibitor with IC50 of 16 nM, useful for prostate cancer treatment. Phase 2.	956104-40-8	free base	http://www.selleckchem.com/products/arn-509.html	
3656 / 3663 / 3670	N13	S2689	WAY-600	44		PI3K/Akt/mTOR	mTOR	WAY-600 is a potent, ATP-competitive and selective inhibitor of mTOR with IC50 of 9 nM; blocks mTORC1/P-S6K(T389) and mTORC2/P-AKT(S473) but not P-AKT(T308); selective for mTOR than PI3Kα (>100-fold) and PI3Kγ (>500-fold).	1062159-35-6	free base	http://www.selleckchem.com/products/way-600.html
3656 / 3663 / 3670	N14	S3017	Aspirin	199	Proteases	Proteasome	Aspirin is a salicylate drug, often used as an analgesic to relieve minor aches and pains, as an antipyretic to reduce fever, and as an anti-inflammatory medication.	50-78-2	free base	http://www.selleckchem.com/products/aspirin-acetylsalicylic-acid.html	
3656 / 3663 / 3670	N15	S2711	YO-01027	200	Proteases	Gamma-secretase	YO-01027 (Dibenzazepine, DBZ) is a dipeptidic γ-secretase inhibitor with IC50 of 2.6 nM and 2.9 nM for APPL and Notch cleavage, respectively.	209984-56-5	free base	http://www.selleckchem.com/products/yo-01027.html	
3656 / 3663 / 3670	N16	S3031	Linagliptin	35	Proteases	DPP-4	Linagliptin is a highly potent, selective DPP-4 inhibitor with IC50 of 1 nM.	668270-12-0	free base	http://www.selleckchem.com/products/linagliptin-bi-1356.html	
3656 / 3663 / 3670	N17	S2726	PH-797804	201	MAPK	p38 MAPK	PH-797804 is a novel pyridinone inhibitor of p38α with IC50 of 26 nM; 4-fold more selective versus p38β and does not inhibit JNK2. Phase 2.	586379-66-0	free base	http://www.selleckchem.com/products/ph-797804.html	
3656 / 3663 / 3670	N18	S4119	Pefloxacin Mesylate Dihydrate	9	DNA Damage	Topoisomerase	Pefloxacin Mesylate Dihydrate is the third generation of fluoroquinolone class of antibacterials, which inhibits Topoisomerase II activity and DNA replication.	149676-40-4	Mesylate	www.selleckchem.com/products/pefloxacin-mesylate-dihydrate.html	
3656 / 3663 / 3670	N19	S2738	PAC-1	198	Apoptosis	Caspase	PAC-1 is a potent procaspase-3 activator with EC50 of 0.22 μM and the first small molecule known to directly activate procaspase-3 to caspase-3.	315183-21-2	free base	http://www.selleckchem.com/products/pac-1.html	
3656 / 3663 / 3670	N20	S7397	Sorafenib	200	MAPK	Raf	Sorafenib is a multikinase inhibitor of Raf-1, B-Raf and VEGFR-2 with IC50 of 6 nM, 22 nM and 90 nM, respectively.	284461-73-0	free base	http://www.selleckchem.com/products/sorafenib.html	
3656 / 3663 / 3670	N21	S2750	GW788388	77	TGF-beta/Smad	TGF-beta/Smad	GW788388 is a potent and selective inhibitor of ALK5 with IC50 of 18 nM, also inhibits TGF-β type II receptor and activin type II receptor activities, but does not inhibit BMP type II receptor.	452342-67-5	free base	http://www.selleckchem.com/products/gw788388.html	
3656 / 3663 / 3670	O03	S2319	Limonin	93	Others	Others	Limonin is a triterpenoid enriched in citrus fruits, which has antiviral and antitumor ability.	1180-71-8	free base	http://www.selleckchem.com/products/Limonin.html	
3656 / 3663 / 3670	O04	S2479	Lincomycin HCl	200	Others	Others	Lincomycin hydrochloride(Lincocin) is the monohydrated salt of lincomycin, a substance produced by the growth of a member of the lincolnensis group of Streptomyces lincolnensis.	859-18-7	hydrochloride	http://www.selleckchem.com/products/Lincomycin-hydrochloride(Lincocin).html	
3656 / 3663 / 3670	O05	S2335	Oridonin	200	Others	Others	Oridonin, a diterpenoid purified from Rabdosia rubescens, is an antitumor agent.	28957-04-2	free base	http://www.selleckchem.com/products/Oridonin(Iso donol).html	
3656 / 3663 / 3670	O06	S2489	Nateglinide	198	Transmembrane Transporters	Potassium Channel	Nateglinide is an insulin secretagog agent that lowers blood glucose levels by stimulating insulin secretion from the pancreas.	105816-04-4	free base	http://www.selleckchem.com/products/Nateglinide(Starlix).html	
3656 / 3663 / 3670	O07	S2346	Puerarin	10	Others	Others	Puerarin (Kakonein), an isoflavones found in the root of Radix puerariae, is a 5-HT2C receptor and benzodiazepine site antagonist.	3681-99-0	free base	http://www.selleckchem.com/products/Puerarin(Kakonein).html	
3656 / 3663 / 3670	O08	S2500	Propafenone HCl	182	Transmembrane Transporters	Sodium Channel	Propafenone HCl is a classic anti-arrhythmic medication, which treats illnesses associated with rapid heartbeats such as atrial and ventricular arrhythmias.	34183-22-7	free base	http://www.selleckchem.com/products/Propafenone(Rytmonorm).html	
3656 / 3663 / 3670	O09	S2362	Synephrine	10	GPCR & G Protein	Adrenergic Receptor	Synephrine, a natural protoalkaloid in the extract of bitter orange and other citrus species, is commonly used for weight loss.	94-07-5	free base	http://www.selleckchem.com/products/Synephrine(Oxedrine).html	
3656 / 3663 / 3670	O10	S2512	Tenoxicam	201	Others	Others	Tenoxicam is a good HO. radicals scavenger with an IC50 of 56.7 μM	59804-37-4	free base	http://www.selleckchem.com/products/Tenoxicam(Mobiflex).html	

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3656 / 3663 / 3670	O11	S2375	Aloin	200	Others	Others	Aloin, a natural anthracycline from Aloe vera, is a tyrosinase inhibitor.	1415-73-2	free base	http://www.selleckchem.com/products/Aloin(Barbaloin).html
3656 / 3663 / 3670	O12	S2533	Ritodrine HCl	200	Neuronal Signaling	Adrenergic Receptor	Ritodrine hydrochloride (DU 21220; Miolene; NSC 291565; Pre-Par) is a hydrochloride salt of ritodrine which is a β -2 adrenergic receptor agonist.	23239-51-2	hydrochloride	www.selleckchem.com/products/Ritodrine-hydrochloride-Yutopar.html
3656 / 3663 / 3670	O13	S2386	Indirubin	202	PI3K/Akt/mTOR	GSK-3	Indirubin is a potent cyclin-dependent kinases and GSK-3 β inhibitor with IC50 of about 5 μ M and 0.6 μ M.	479-41-4	free base	http://www.selleckchem.com/products/Indirubin.html
3656 / 3663 / 3670	O14	S2547	Tiotropium Bromide hydrate	16	Neuronal Signaling	AChR	Tiotropium Bromide hydrate is a monohydrate of tiotropium bromide (Spiriva; Tiova; BA 679BR; tiopropium) that is an anticholinergic and bronchodilator and a muscarinic receptor antagonist.	139404-48-1	hydrate	http://www.selleckchem.com/products/Tiotropium-Bromide-hydrate.html
3656 / 3663 / 3670	O15	S2401	Sodium Danshensu	10	Others	Others,P450 (e.g. CYP17)	Sodium Danshensu is a mono sodium of danshensu, which is a natural phenolic acid of caffeic acid derivatives isolated from Salvia miltiorrhiza.	67920-52-9	sodium	http://www.selleckchem.com/products/Sodium-Danshensu.html
3656 / 3663 / 3670	O16	S2559	Cortisone acetate	17	Others	Others	Cortisone acetate (Cortone) is an acetate salt form of cortisone that is a steroid hormone and a glucocorticoid.	50-04-4	free base	http://www.selleckchem.com/products/Cortisone-acetate-Cortone.html
3656 / 3663 / 3670	O17	S2410	Paeoniflorin	199	Others	Others	Paeoniflorin is a herbal constituent extracted from the root of Paeonia albiflora Pall.	23180-57-6	free base	http://www.selleckchem.com/products/paeoniflorin.html
3656 / 3663 / 3670	O18	S2576	Xylometazoline HCl	96	Others	Others	Xylometazoline is an α -adrenoceptor agonist commonly used as nasal decongestant, exhibits highest potency at α 2B-adrenoceptor subtype with EC50 of 99 μ M. Phase 4.	1218-35-5	hydrochloride	http://www.selleckchem.com/products/xylometazoline-hcl.html
3656 / 3663 / 3670	O19	S2438	Syneprhine HCl	68	Neuronal Signaling	Adrenergic Receptor	SyneprhineHCl (Oxedrine, p-Syneprhine) is a sympathomimetic α -adrenergic receptor (AR) agonist.	5985-28-4	hydrochloride	http://www.selleckchem.com/products/syneprhine-hcl.html
3656 / 3663 / 3670	O20	S2596	Clindamycin palmitate HCl	200	Others	Others	Clindamycin palmitate HCl is a water soluble hydrochloride salt of the ester of clindamycin and palmitic acid and a lincosamide antibiotic.	25507-04-4	hydrochloride	http://www.selleckchem.com/products/clindamycin-palmitate-hcl.html
3656 / 3663 / 3670	O21	S2466	Estriol	197	Endocrinology & Hormones	Estrogen/progesterone Receptor	Estriol is an antagonist of the G-protein coupled estrogen receptor in estrogen receptor-negative breast cancer cells.	50-27-1	free base	http://www.selleckchem.com/products/Estriol(Oestriol).html
3656 / 3663 / 3670	O22	S2607	Buflomedil HCl	90	Others	Others	Buflomedil is a vasodilator used to treat claudication or the symptoms of peripheral arterial disease.	35543-24-9	hydrochloride	http://www.selleckchem.com/products/auflomedil-hcl.html
3656 / 3663 / 3670	P03	S2620	GSK256066	10	Metabolism	PDE	GSK256066 is a selective PDE4B(equal affinity to isoforms A-D) inhibitor with IC50 of 3.2 pM, >380,000-fold selectivity versus PDE1/2/3/5/6 and >2500-fold selectivity against PDE4B versus PDE7.	801312-28-7	free base	http://www.selleckchem.com/products/gsk256066.html
3656 / 3663 / 3670	P04	S2767	3-Methyladenine	26	PI3K/Akt/mTOR	Autophagy,PI3K	3-Methyladenine is a selective PI3K inhibitor for Vps34 and PI3K γ with IC50 of 25 μ M and 60 μ M; blocks class I PI3K consistently, whereas suppression of class III PI3K is transient, and also blocks autophagosome formation.	5142-23-4	free base	http://www.selleckchem.com/products/3-methyladenine.html
3656 / 3663 / 3670	P05	S2630	GW3965 HCl	200	Others	Liver X Receptor	GW3965 is a potent, selective LXRAgonist for hLXR α and hLXR β with EC50 of 190 and 30 nM, respectively.	405911-17-3	hydrochloride	http://www.selleckchem.com/products/gw3965.html
3656 / 3663 / 3670	P06	S2778	GW842166X	44	GPCR & G Protein	Cannabinoid Receptor	GW842166X is a potent and highly selective agonist of cannabinoid receptor CB2 receptor with EC50 of 63 nM, shows no significant activity at CB1 receptor. Phase 2.	666260-75-9	free base	http://www.selleckchem.com/products/gw-842166x.html
3656 / 3663 / 3670	P07	S2639	SNX-2112 (PF-04928473)	200	Cytoskeletal Signaling	HSP (e.g. HSP90)	SNX-2112 selectively binds to the ATP pocket of HSP90 α and HSP90 β with Ka of 30 nM and 30 nM, uniformly more potent than 17-AAG.	908112-43-6	free base	http://www.selleckchem.com/products/snx-2112.html
3656 / 3663 / 3670	P08	S2789	Tofacitinib (CP-690550,Tasocitinib)	198	JAK/STAT	JAK	Tofacitinib is a novel inhibitor of JAK3 with IC50 of 1 nM, 20- to 100-fold less potent against JAK2 and JAK1.	477600-75-2	free base	http://www.selleckchem.com/products/tofacitinib-cp-690550.html
3656 / 3663 / 3670	P09	S2665	Ciprofibrate	200	DNA Damage	PPAR	Ciprofibrate is a peroxisome proliferator-activated receptor agonist.	52214-84-3	free base	http://www.selleckchem.com/products/ciprofibrate.html
3656 / 3663 / 3670	P10	S2801	AZD4547	198	Angiogenesis	FGFR	AZD4547 is a novel selective FGFR inhibitor targeting FGFR1/2/3 with IC50 of 0.2 nM/2.5 nM/1.8 nM, weaker activity against FGFR4, VEGFR2(KDR), and little activity observed against IGFR, CDK2, and p38. Phase 1/2.	1035270-39-3	free base	http://www.selleckchem.com/products/azd4547.html
3656 / 3663 / 3670	P11	S2680	Ibrutinib (PCI-32765)	199	Angiogenesis	BTK	Ibrutinib is a potent and highly selective Btk inhibitor with IC50 of 0.5 nM, modestly potent to Bmx, CSK, FGR, BRK, HCK, less potent to EGFR, Yes, ErbB2, JAK3, etc.	936563-96-1	free base	http://www.selleckchem.com/products/pci-32765.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3656 / 3663 / 3670	P12	S2853	Carfilzomib (PR-171)	69	Proteases	Proteasome	Carfilzomib (PR-171) is an irreversible proteasome inhibitor with IC50 of <5 nM, displayed preferential in vitro inhibitory potency against the ChT-L activity in the β 5 subunit, but little or no effect on the PGPH and T-L activities.	868540-17-4	free base	http://www.selleckchem.com/products/carfilzomib-pr-171.html
3656 / 3663 / 3670	P13	S2690	ADX-47273	200	Neuronal Signaling	GluR	ADX47273 is a potent and specific mGlu5 positive allosteric modulator(PAM) with EC50 of 0.17 μ M, showing no activity at other mGlu subtypes.	851881-60-2	free base	http://www.selleckchem.com/products/adx-47273.html
3656 / 3663 / 3670	P14	S3018	Niflumic acid	198	Neuronal Signaling	GABA Receptor	Niflumic acid is an inhibitor of cyclooxygenase-2 used for joint and muscular pain.	4394-00-7	free base	http://www.selleckchem.com/products/niflumic-acid.html
3656 / 3663 / 3670	P15	S2713	Geldanamycin	199	Cytoskeletal Signaling	HSP (e.g. HSP90),Autophagy	Geldanamycin is a natural existing HSP90 inhibitor with Kd of 1.2 μ M, specifically disrupts glucocorticoid receptor (GR)/HSP association.	30562-34-6	free base	http://www.selleckchem.com/products/geldanamycin.html
3656 / 3663 / 3670	P16	S3032	Bindarit	200	Others	Others	Bindarit exhibits selective inhibition against monocyte chemotactic proteins MCP-1/CCL2, MCP-3/CCL7 and MCP-2/CCL8.	130641-38-2	free base	http://www.selleckchem.com/products/bindarit.html
3656 / 3663 / 3670	P17	S2727	Dacomitinib (PF299804, PF299)	40	Protein Tyrosine Kinase	EGFR	PF-299804 is a potent, irreversible pan-ErbB inhibitor, mostly to EGFR with IC50 of 6 nM, effective against NSCLCs with EGFR or ERBB2 mutations (resistant to gefitinib) as well as those harboring the EGFR T790M mutation. Phase 2.	1110813-31-4	free base	http://www.selleckchem.com/products/pf299804.html
3656 / 3663 / 3670	P18	S4273	3-Aminobenzamide	27	DNA Damage	PARP	3-Aminobenzamide is a competitive PARP inhibitor with Ki of 1.8 μ M.	3544-24-9	Free Base	www.selleckchem.com/products/3-aminobenzamide.html
3656 / 3663 / 3670	P19	S2742	PHA-767491	112	Cell Cycle	CDK	PHA-767491 is a potent ATP-competitive dual Cdc7/CDK9 inhibitor with IC50 of 10 nM and 34 nM, respectively. It displays ~20-fold selectivity against CDK1/2 and GSK3- β , 50-fold selectivity against MK2 and CDK5, 100-fold selectivity against PLK1 and CHK2.	845714-00-3	free base	http://www.selleckchem.com/products/pha-767491.html
3656 / 3663 / 3670	P20	S8049	Tubastatin A	10	Epigenetics	HDAC	Tubastatin A is a potent and selective HDAC6 inhibitor with IC50 of 15 nM. It is selective against all the other isozymes (1000-fold) except HDAC8 (57-fold).	1252003-15-8	free base	http://www.selleckchem.com/products/tubastatin-a.html
3656 / 3663 / 3670	P21	S2751	Miliciclib (PHA-848125)	199	Cell Cycle	CDK	PHA-848125 is a potent, ATP-competitive CDK inhibitor for CDK2 with IC50 of 45 nM. It is >3-fold more selective for CDK2 than CDK1, 2, 4, 5, and 7. Phase 2.	802539-81-7	free base	http://www.selleckchem.com/products/pha-848125.html
3657 / 3664 / 3671	A03	S1333	Fluoxetine HCl	199	Neuronal Signaling	5-HT Receptor	Fluoxetine HCl is an antidepressant of the selective serotonin reuptake inhibitor (SSRI) class.	56296-78-7	hydrochloride	http://www.selleckchem.com/products/Fluoxetine-hydrochloride.html
3657 / 3664 / 3671	A05	S3070	Piracetam	506	Others	Others	Piracetam is a cyclic derivative of the neurotransmitter gamma-aminobutyric acid (GABA), used in treatment of a wide range of cognitive disorders.	7491-74-9	free base	http://www.selleckchem.com/products/piracetam.html
3657 / 3664 / 3671	A07	S4256	Buspirone HCl	199	Others	Others		33386-08-2	hydrochloride	http://www.selleckchem.com/products/buspirone-hcl.html
3657 / 3664 / 3671	A11	S1189	Aprepitant	200	Others	Substance P	Aprepitant is a potent and selective neurokinin-1 receptor antagonist.	170729-80-3	free base	http://www.selleckchem.com/products/Aprepitant.html
3657 / 3664 / 3671	A13	S1441	Venlafaxine	176	Neuronal Signaling	5-HT Receptor	Venlafaxine is an arylalkanolamine serotonin-norepinephrine reuptake inhibitor (SNRI).	99300-78-4	hydrochloride	http://www.selleckchem.com/products/Venlafaxine-hydrochloride.html
3657 / 3664 / 3671	A15	S2103	Naltrexone HCl	37	Neuronal Signaling	Opioid Receptor	Naltrexone is an opioid receptor antagonist with IC50 of 8 nM used primarily in the management of alcohol dependence and opioid dependence.	16676-29-2	hydrochloride	http://www.selleckchem.com/products/naltrexone-hcl.html
3657 / 3664 / 3671	A17	S3024	Lamotrigine	39	Transmembrane Transporters	Sodium Channel,5-HT Receptor	Lamotrigine is a novel anticonvulsant drug for inhibition of 5-HT with IC50 of 240 μ M and 474 μ M in human platelets and rat brain synaptosomes, and also is a sodium channel blocker.	84057-84-1	free base	http://www.selleckchem.com/products/lamotrigine.html
3657 / 3664 / 3671	C03	S1438	Topiramate	200	Metabolism	Carbonic Anhydrase	Topiramate is an anticonvulsant compound.	97240-79-4	free base	http://www.selleckchem.com/products/Topiramate.html
3657 / 3664 / 3671	C05	S3175	Atomoxetine HCl	198	Neuronal Signaling	5-HT Receptor	Atomoxetine is a selective norepinephrine (NE) transporter inhibitor with Ki of 5 nM, with 15- and 290-fold lower affinity for human 5-HT and DA transporters. Phase 4.	82248-59-7	hydrochloride	http://www.selleckchem.com/products/atomoxetine-hydrochloride.html
3657 / 3664 / 3671	C07	S4283	Cyclobenzaprine HCl	62	Others	Others	Cyclobenzaprine HCl is a muscle relaxant by blocking pain sensations, used for the treatment of muscle spasms.	6202-23-9	Salt	www.selleckchem.com/products/cyclobenzaprine-hcl.html
3657 / 3664 / 3671	C11	S1259	Ramelteon	200	GPCR & G Protein	MT Receptor	Ramelteon is a novel melatonin receptor agonist for human MT1 and MT2 receptors and chick forebrain melatonin receptors with Ki of 14 pM, 112 pM and 23.1 pM, respectively.	196597-26-9	free base	http://www.selleckchem.com/products/Ramelteon.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3657 / 3664 / 3671	C13	S1444	Ziprasidone HCl	200	Others	Others	Ziprasidone HCl was the fifth atypical antipsychotic.	122883-93-6	hydrochloride	http://www.selleckchem.com/products/Ziprasidone-hydrochloride.html
3657 / 3664 / 3671	C15	S2452	Amfebutamone HCl	28	Neuronal Signaling	Dopamine Receptor, AChR	Amfebutamone HCl is a selective norepinephrine-dopamine reuptake inhibitor with IC50 of 6.5 and 3.4µM for the reuptake of dopamine and norepinephrine, respectively	31677-93-7	hydrochloride	http://www.selleckchem.com/products/Amfebutamone-hydrochloride(Bupropion).html
3657 / 3664 / 3671	E03	S1445	Zonisamide	197	Others	Others	Zonisamide is a sulfonamide anticonvulsant approved for use as an adjunctive.	68291-97-4	free base	http://www.selleckchem.com/products/Zonisamide.html
3657 / 3664 / 3671	E05	S3180	Eletriptan HBr	200	Neuronal Signaling	5-HT Receptor	Eletriptan is a selective 5-HT1B and 5-HT1D receptor agonist with Ki of 0.92 nM and 3.14 nM, respectively.	177834-92-3	HBr	http://www.selleckchem.com/products/eletriptan-hydrobromide.html
3657 / 3664 / 3671	E07	S4289	Metoclopramide HCl	67	Neuronal Signaling	Dopamine Receptor	Metoclopramide HCl is a selective dopamine D2 receptor antagonist, used for the treatment of nausea and vomiting.	7232-21-5	Salt	www.selleckchem.com/products/metoclopramide-hcl.html
3657 / 3664 / 3671	E11	S1280	Amisulpride	200	Neuronal Signaling	Dopamine Receptor	Amisulpride is an atypical antipsychotic used to treat psychosis in schizophrenia and episodes of mania in bipolar disorder.	71675-85-9	free base	http://www.selleckchem.com/products/Amisulpride.html
3657 / 3664 / 3671	E13	S1614	Riluzole	200	Transmembrane Transporters	Sodium Channel	Riluzole is a drug used to treat amyotrophic lateral sclerosis.	1744-22-5	free base	http://www.selleckchem.com/products/Riluzole(Rilutek).html
3657 / 3664 / 3671	E15	S2459	Clozapine	198	Neuronal Signaling	5-HT Receptor	Clozapine (Clozaril) is a potent 5-HT1C receptor antagonist with an IC50 of 110 nM for 5-HT-stimulated phosphoinositide hydrolysis.	5786-21-0	free base	http://www.selleckchem.com/products/Clozapine(Clozaril).html
3657 / 3664 / 3671	G03	S1693	Carbamazepine	198	Transmembrane Transporters	Autophagy, Sodium Channel	Carbamazepine (Carbatrol) is a sodium channel blocker with IC50 of 131 µM in rat brain synaptosomes.	298-46-4	free base	http://www.selleckchem.com/products/Carbamazepine(Carbatrol).html
3657 / 3664 / 3671	G05	S3189	Ropinirole HCl	33	Others	Others	Ropinirole a selective dopamine D2 receptors inhibitor with IC50 of 29 nM.	91374-20-8	hydrochloride	http://www.selleckchem.com/products/ropinirole-hydrochloride.html
3657 / 3664 / 3671	G11	S1281	Aniracetam	200	Neuronal Signaling	AMPA Receptor, kainate Receptor, NMDA Receptor	Aniracetam is a nootropics and neuroprotective drug.	72432-10-1	free base	http://www.selleckchem.com/products/Aniracetam.html
3657 / 3664 / 3671	G13	S1615	Risperidone	10	Neuronal Signaling	5-HT Receptor	Risperidone(Risperdal) is an atypical antipsychotic used to treat schizophrenia.	106266-06-2	free base	http://www.selleckchem.com/products/Risperidone(Risperdal).html
3657 / 3664 / 3671	G15	S2460	Pramipexole	198	Neuronal Signaling	Dopamine Receptor	Pramipexole is a partial/full D2S, D2L, D3, D4 receptor agonist with a Ki of 3.9, 2.2, 0.5 and 5.1 nM for D2S, D2L, D3, D4 receptor, respectively.	104632-26-0	free base	http://www.selleckchem.com/products/Pramipexole(Mirapex).html
3657 / 3664 / 3671	I03	S1747	Nimodipine	200	Transmembrane Transporters	Calcium Channel, Autophagy	Nimodipine(Nimotop) is a dihydropyridine derivative and an analogue of the calcium channel blocker nifedipine, with antihypertensive activity. Nimodipine decreases intracellular free Ca2+, Beclin-1 and autophagy.	66085-59-4	free base	http://www.selleckchem.com/products/Nimodipine(Nimotop).html
3657 / 3664 / 3671	I05	S3199	Reboxetine mesylate	200	Others	Others	Reboxetine is a norepinephrine reuptake inhibitor with Ki of 8.2 nM.	98769-84-7	mesylate	http://www.selleckchem.com/products/reboxetine-mesylate.html
3657 / 3664 / 3671	I11	S1330	Felbamate	201	Others	Others	Felbamate (Felbatol) is an anticonvulsant drug used in the treatment of epilepsy.	25451-15-4	free base	http://www.selleckchem.com/products/Felbamate.html
3657 / 3664 / 3671	I13	S1920	Haloperidol	199	Others	Others	Haloperidol (Haldol) is an antipsychotic and butyrophenone.	52-86-8	free base	http://www.selleckchem.com/products/Haloperidol(Haldol).html
3657 / 3664 / 3671	I15	S2493	Olanzapine	201	Neuronal Signaling	5-HT Receptor, Dopamine Receptor	Olanzapine is a high affinity for 5-HT2 serotonin and D2 dopamine receptor antagonist.	132539-06-1	free base	http://www.selleckchem.com/products/Olanzapine(Zyprexa).html
3657 / 3664 / 3671	K03	S1898	Tropisetron	109	Neuronal Signaling	5-HT Receptor	Tropisetron is a selective 5-HT3 receptor antagonist and α7-nicotinic receptor agonist with an IC50 of 70.1 ± 0.9 nM for 5-HT3 receptor.	105826-92-4	hydrochloride	http://www.selleckchem.com/products/Tropisetron-hydrochloride.html
3657 / 3664 / 3671	K05	S3212	Moclobemide (Ro 111163)	197	Metabolism	MAO	Moclobemide is MAO-A (5-HT) inhibitor with IC50 of 6.1 µM.	71320-77-9	free base	http://www.selleckchem.com/products/moclobemide.html
3657 / 3664 / 3671	K11	S1332	Flumazenil	16	Neuronal Signaling	GABA Receptor	Flumazenil is a benzodiazepine antagonist.	78755-81-4	free base	http://www.selleckchem.com/products/Flumazenil.html

ICCB-L Plate (10mM / 3.33mM / 1.11mM)	ICCB-L Well	Vendor ID	Compound Name	Max Solubility in DMSO (mM)	Pathway	Targets	Information	CAS Number	Form	URL
3657 / 3664 / 3671	K13	S1975	Aripiprazole	200	Neuronal Signaling	5-HT Receptor	Aripiprazole is a human 5-HT1A receptor partial agonist with a Ki of 4.2 nM.	129722-12-9	free base	http://www.selleckchem.com/products/aripiprazole-abilify.html
3657 / 3664 / 3671	K15	S2541	Clomipramine HCl	199	Neuronal Signaling	5-HT Receptor	Clomipramine hydrochloride (Anafranil) is a hydrochloride salt of clomipramine which is a serotonin transporter (SERT), norepinephrine transporter (NET) dopamine transporter (DAT) blocker with Ki of 0.14, 54 and 3 nM, respectively.	17321-77-6	hydrochloride	http://www.selleckchem.com/products/Clomipramine-hydrochloride-Anafranil.html
3657 / 3664 / 3671	M03	S2456	Chlorpromazine HCl	199	Neuronal Signaling	Potassium Channel, Dopamine Receptor	Chlorpromazine HCl is a dopamine and potassium channel inhibitor with IC50 of 6.1 and 16 µM for forward-rectifying K+ currents and time-independent outward currents	69-09-0	hydrochloride	http://www.selleckchem.com/products/Chlorpromazine-hydrochloride(Sonazine).html
3657 / 3664 / 3671	M05	S4058	Ropivacaine HCl	199	Others	Others	Ropivacaine HCl is an anaesthetic agent and blocks impulse conduction in nerve fibres through inhibiting sodium ion influx reversibly.	132112-35-7	hydrochloride	http://www.selleckchem.com/products/ropivacaine-hcl.html
3657 / 3664 / 3671	M11	S1356	Levetiracetam	199	Others	Others	Levetiracetam is an antiepileptic compound.	102767-28-2	free base	http://www.selleckchem.com/products/Levetiracetam.html
3657 / 3664 / 3671	M13	S2016	Mirtazapine	199	Others	Others	Mirtazapine is a potent tetracyclic antidepressant.	85650-52-8	free base	http://www.selleckchem.com/products/mirtazapine-remeron-avanza.html
3657 / 3664 / 3671	M15	S3005	Paroxetine HCl	199	Neuronal Signaling	AChR, 5-HT Receptor	Paroxetine is an antidepressant drug of the SSRI type.	78246-49-8	hydrochloride	http://www.selleckchem.com/products/paroxetine-hcl.html
3657 / 3664 / 3671	O03	S2525	Phenytoin	198	Transmembrane Transporters	Sodium Channel	Phenytoin is an inactive voltage-gated sodium channel stabilizer.	57-41-0	free base	http://www.selleckchem.com/products/Phenytoin-Lepitoin.html
3657 / 3664 / 3671	O05	S4202	Verapamil HCl	199	Others	Others	Verapamil HCl is an L-type calcium channel blocker that is a class IV anti-arrhythmia agent.	152-11-4	hydrochloride	http://www.selleckchem.com/products/verapamil-hcl.html
3657 / 3664 / 3671	O11	S1391	Oxcarbazepine	27	Transmembrane Transporters	Sodium Channel	Oxcarbazepine inhibits the binding of [3H]BTX to sodium channels with IC50 of 160 µM and also inhibits the influx of 22Na+ into rat brain synaptosomes with IC50 about 100 µM.	28721-07-5	free base	http://www.selleckchem.com/products/Oxcarbazepine.html
3657 / 3664 / 3671	O13	S2084	Duloxetine HCl	200	Neuronal Signaling	5-HT Receptor	Duloxetine is a serotonin-norepinephrine reuptake inhibitor with Ki of 4.6 nM, used for treatment of major depressive disorder and generalized anxiety disorder (GAD).	136434-34-9	hydrochloride	http://www.selleckchem.com/products/duloxetine-hcl-cymbalta.html
3657 / 3664 / 3671	O15	S3021	Rimonabant	53	GPCR & G Protein	Cannabinoid Receptor	Rimonabant is a selective antagonist of CB1 with IC50 of 13.6 nM and EC50 of 17.3 nM in hCB1 transfected HEK 293 membrane.	168273-06-1	free base	http://www.selleckchem.com/products/rimonabant-sr141716.html