

Table S1. Preliminary screening bioactive compounds that inhibit ZIKV infection in SNB-19 cells

No.	Name	Target	Inhibition rate (%)	Brief introduction
1	Pazopanib HCl	VEGFR, PDGFR, c-Kit	95	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.
2	Axitinib	VEGFR, PDGFR, c-Kit	95	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.
3	Plinabulin (NPI-2358)	VDA	95	Plinabulin (NPI-2358) is a vascular disrupting agent (VDA) against tubulin-depolymerizing with IC50 of 9.8~18 nM in tumor cells. Phase 1/2.
4	Mitoxantrone	Topoisomerase	95	Mitoxantrone is a type II topoisomerase inhibitor with IC50 of 2.0 μ M, 0.42 mM for HepG2 and MCF-7/wt cells, respectively
5	Doxorubicin (Adriamycin)	Topoisomerase	95	Doxorubicin (Adriamycin) is an antibiotic agent that inhibits DNA topoisomerase II and induces DNA damage and apoptosis.
6	Epirubicin HCl	Topoisomerase	95	Epirubicin HCl, a semisynthetic L-arabino derivative of doxorubicin, is an antineoplastic agent by inhibiting Topoisomerase.
7	Beta-Lapachone	Topoisomerase	95	Beta-Lapachone is a selective DNA topoisomerase I inhibitor, exhibiting no inhibitory activities against DNA topoisomerase II or ligase. Phase 2.
8	Pirarubicin	Topoisomerase	95	Pirarubicin is an anthracycline antibiotic, and also a DNA/RNA synthesis inhibitor by intercalating into DNA and interacts with topoisomerase II, used as an antineoplastic agent.
9	Fludarabine	STAT, DNA/RNA Synthesis	95	Fludarabine is a STAT1 activation inhibitor and a DNA synthesis inhibitor in Vascular smooth muscle cells.
10	Cryptotanshinone	STAT	95	Cryptotanshinone (CPT) is a STAT3 inhibitor with IC50 of 4.6 μ M, strongly inhibits phosphorylation of STAT3 Tyr705, with a small effect on STAT3 Ser727, but none against STAT1 nor STAT5.
11	Saracatinib (AZD0530)	Src, Bcr-Abl	95	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.
12	Bosutinib (SKI-606)	Src	95	Bosutinib (SKI-606) is a novel, dual Src/Abl inhibitor with IC50 of 1.2 nM and 1 nM, respectively.
13	Ouabain	Sodium Channel	95	Ouabain is a selective Na ⁺ /K ⁺ , -ATPase inhibitor, binds to α 2/ α 3 subunit with Ki of 41 nM/15 nM.
14	Sorafenib	Raf	95	Sorafenib is a multikinase inhibitor of Raf-1, B-Raf and VEGFR-2 with IC50 of 6 nM, 22 nM and 90 nM, respectively.

15	Pantoprazole sodium	Proton Pump	95	Pantoprazole is a proton pump inhibitor drug that inhibits gastric acid secretion. It works on gastric parietal cells to irreversibly inhibit (H ⁺ /K ⁺)-ATPase function and suppress the production of gastric acid.
16	Zinc Pyrithione	Proton Pump	95	Zinc pyrithione is an antifungal and antibacterial agent disrupting membrane transport by blocking the proton pump.
17	Esomeprazole Magnesium	Proton Pump	95	Esomeprazole Magnesium is a proton pump inhibitor to reduce gastric acid secretion.
18	Danoprevir (ITMN-191)	Proteasome, HCV Protease	95	Danoprevir (ITMN-191) is a peptidomimetic inhibitor of the NS3/4A protease of hepatitis C virus (HCV) with IC ₅₀ 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.
19	CEP-18770 (Delanzomib)	Proteasome	95	CEP-18770 is an orally active inhibitor of the chymotrypsin-like activity of proteasome with IC ₅₀ of 3.8 nM, with only marginal inhibition of the tryptic and peptidylglutamyl activities of the proteasome. Phase 1/2.
20	Carfilzomib (PR-171)	Proteasome	95	Carfilzomib (PR-171) is an irreversible proteasome inhibitor with IC ₅₀ 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.
21	Epoxomicin	Proteasome	95	Epoxomicin is a selective proteasome inhibitor with anti-inflammatory activity, inhibits primarily the CH-L activity of the 20S proteasome, while T-L and PGPH catalytic activities are also inhibited at 100- and 1000-fold reduced rate.
22	MG-132	Proteasome	95	MG-132 is an inhibitor of proteasome with IC ₅₀ of 100 nM, and also inhibits calpain with IC ₅₀ of 1.2 μM.
23	ONX-0914 (PR-957)	Proteasome	95	ONX-0914 (PR-957) is a potent and selective immunoproteasome inhibitor with minimal cross-reactivity for the constitutive proteasome.
24	MLN2238	Proteasome	95	MLN2238 inhibits the chymotrypsin-like proteolytic (β ₅) site of the 20S proteasome with IC ₅₀ and K _i of 3.4 nM and 0.93 nM, respectively, also inhibits the caspase-like (β ₁) and trypsin-like (β ₂) proteolytic sites, with IC ₅₀ of 31 and 3500 nM.
25	MLN9708	Proteasome	95	MLN9708 immediately hydrolyzed to MLN2238, the biologically active form, on exposure to aqueous solutions or plasma. MLN2238 inhibits the chymotrypsin-like proteolytic (β ₅) site of the 20S proteasome with IC ₅₀ /K _i of 3.4 nM/0.93 nM, less potent to β ₁ and little activity to β ₂ . Phase 3.
26	Hexachlorophene	potassium channel	95	Hexachlorophene is a potent KCNQ1/KCNE1 potassium channel activator with EC ₅₀ of 4.61 ± 1.29 μM; It can also attenuate Wnt/beta-catenin signaling through the Siah-1-mediated beta-catenin degradation.
27	PIK-75	PI3K, DNA-PK	95	PIK-75 is a p110α inhibitor with IC ₅₀ of 5.8 nM (200-fold more potently than p110β), isoform-specific mutants at Ser773, and

				also potently inhibits DNA-PK with IC50 of 2 nM.
28	Veliparib (ABT-888)	PARP	95	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.
29	Rucaparib (AG-014699,PF-01367338)	PARP	95	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.
30	Tenovin-1	p53	95	Tenovin-1 protects against MDM2-mediated p53 degradation, which involves ubiquitination, and acts through inhibition of protein-deacetylating activities of SirT1 and SirT2.
31	Baicalein	P450	95	Baicalein is a CYP2C9 and prolyl endopeptidase inhibitor.
32	Avasimibe	P450	95	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,
33	Gambogic Acid	Others	95	Gambogic Acid activates caspases with EC50 of 0.78-1.64 μM and competitively inhibits Bcl-X _L , Bcl-2, Bcl-W, Bcl-B, Bfl-1 and Mcl-1 with IC50 of 1.47, 1.21, 2.02, 0.66, 1.06 and 0.79 μM, respectively.
34	Gemcitabine	Others	95	Gemcitabine(Gemzar) belongs to the group of medicines called antimetabolites.Phase 3.
35	Telmisartan	Others	95	Telmisartan (Micardis) is an angiotensin II receptor antagonist (ARB) used in the management of hypertension.
36	Mycophenolate Mofetil	Others	95	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.
37	Nevirapine	Others	95	Nevirapine(Viramune) is a non-nucleoside reverse transcriptase inhibitor (NNRTI) used to treat HIV-1 infection and AIDS.
38	Domiphen Bromide	Others	95	Domiphen bromide is a quaternary ammonium antiseptic with actions as a cationic surfactant.
39	Mitoxantrone HCl	Others	95	Mitoxantrone HCl is a classic folic acid antagonist.
40	Halofuginone	Others	95	Halofuginone is the competitively inhibitor of prolyl-tRNA synthetase with Ki of 18.3 nM.It could also down-regulate Smad3 and blocked TGF-β signaling at 10 ng/ml in mammal.
41	Teniposide	Others	95	Teniposide(Vumon)is a chemotherapeutic medication mainly used in the treatment of childhood acute lymphocytic leukemia (ALL).
42	Adapalene	Others	95	Adapalene is a third-generation topical retinoid primarily used in the treatment of acne.
43	Cetylpyridinium Chloride	Others	95	Cetylpyridinium chloride is a cationic quaternary ammonium compound used as oropharyngeal antiseptic.
44	NH125	Others	95	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.
45	Mycophenolic acid	Others	95	Mycophenolic acid is an immunosuppressant agent used to prevent rejection in organ transplantation.
46	AI-10-49	Others	95	AI-10-49 is a selective inhibitor of the binding of CBF β -SMMHC to RUNX1 with IC50 of 260 nM.
47	PTC-209	Others	95	PTC-209 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).
48	MK-886 (L-663,536)	others	95	MK-886 is an inhibitor of leukotriene biosynthesis, inhibiting 5-lipoxygenase-activating protein (FLAP). It is also a moderately potent PPAR α antagonist.
49	Dp44mT	Others	95	Dp44mT is a potent iron chelator, which shows selective antitumor activity.
50	Ethacridine lactate monohydrate	Others	95	Ethacridine lactate monohydrate is an aromatic organic compound based on acridine used as an antiseptic agent.
51	Crystal Violet	Others	95	Crystal violet is a triarylmethane dye.
52	Methylene Blue	others	95	Methylene Blue is used as a dye in chromoendoscopy. It inhibits tau filament formation with IC50 of 1.9 μ M. Also it inhibits soluble guanylyl cyclase.
53	Dapsone	others	95	Dapsone, also known as diaminodiphenyl sulfone (DDS), is an antibiotic commonly used in combination with rifampicin and clofazimine for the treatment of leprosy.
54	Prednisolone	Others	95	Prednisolone(Hydroretrocortine) is a synthetic glucocorticoid with anti-inflammatory and immunomodulating properties.
55	i-Inositol	others	95	i-Inositol, also known as myo-inositol, is a chemical compound which is sugar alcohol. i-Inositol is involved in a number of biological processes including insulin signal transduction, cytoskeleton transduction and so on.
56	Thiabendazole	Others	95	Thiabendazole inhibites the mitochondrial helminth-specific enzyme, fumarate reductase, with anthelmintic property.
57	Rifabutin	Others	95	Rifabutin(Mycobutin) is a semisynthetic ansamycin antibiotic with potent antimycobacterial properties.
58	TRx 0237 (LMTX TM) mesylate	others	95	TRx 0237 (LMTX TM) mesylate is a second-generation tau protein aggregation inhibitor for the treatment of Alzheimer's disease (AD) and frontotemporal dementia.
59	Guaifenesin	Others	95	Guaifenesin(Guaiphenesin) is thought to act as an expectorant.
60	Nicotinic Acid	Others	95	Nicotinic Acid is a water-soluble vitamin belonging to the vitamin B family.
61	Ropivacaine HCl	Others	95	Ropivacaine HCl is an anaesthetic agent and blocks impulse conduction in nerve fibres through inhibiting sodium ion influx

				reversibly.
62	Triptolide (PG490)	Others	95	Triptolide is a diterpene triepoxide, immunosuppressive agent extracted from the Chinese herb <i>Tripterygium wilfordii</i> .
63	Iopamidol	others	95	Iopamidol is a non-ionic, water-soluble radiographic contrast agent.
64	Triclosan	others	95	Triclosan is a diphenyl ether derivative used in cosmetics and toilet soaps as an antiseptic. It has some bacteriostatic and fungistatic action.
65	Nitrofurantoin	others	95	Nitrofurantoin is an antibiotic used to treat bladder infections. It inhibits bacterial DNA, RNA, and cell wall protein synthesis.
66	JTC-801	Opioid Receptor	95	JTC-801 is a selective opioid receptor-like1 (ORL1) receptor antagonist with IC50 of 94 nM, weakly inhibits receptors δ , κ , and μ .
67	Rapamycin (Sirolimus)	mTOR	95	Rapamycin (Sirolimus, AY-22989, WY-090217) is a specific mTOR inhibitor with IC50 of \sim 0.1 nM.
68	Temsirolimus (CCI-779, NSC 683864)	mTOR	95	Temsirolimus (CCI-779) is a specific mTOR inhibitor with IC50 of 1.76 μ M.
69	IMD 0354	IKK	95	IMD-0354 is an IKK β inhibitor and blocks I κ B α phosphorylation in NF- κ B pathway.
70	VER-50589	HSP (e.g. HSP90)	95	VER-50589 is a potent HSP90 inhibitor with IC50 of 21 nM for HSP90 β .
71	BIIB021	HSP	95	BIIB021 is an orally available, fully synthetic small-molecule inhibitor of HSP90 with Ki and EC50 of 1.7 nM and 38 nM, respectively.
72	VER-49009	HSP	95	VER-49009 is a potent HSP90 inhibitor with IC50 of 47 nM for HSP90 β .
73	Ganetespib (STA-9090)	HSP	95	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.
74	17-AAG (Tanespimycin)	HSP	95	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.
75	17-DMAG (Alvespimycin) HCl	HSP	95	17-DMAG is a potent, water-soluble HSP90 inhibitor with IC50 of 62 nM.
76	CUDC-907	HDAC, PI3K	95	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.
77	Givinostat (ITF2357)	HDAC	95	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.
78	CAY10603	HDAC	95	CAY10603 is a potent and selective HDAC6 inhibitor

				with IC₅₀ of 2 pM, >200-fold selectivity over other HDACs.
79	Lapatinib (GW-572016) Ditosylate	EGFR, HER2	95	Lapatinib Ditosylate (GW572016, GW2016) is a potent EGFR and ErbB2 inhibitor with IC ₅₀ of 10.8 and 9.2 nM, respectively.
80	AZD3759	EGFR	95	AZD3759 is a potent, oral active, CNS-penetrant EGFR inhibitor with IC ₅₀ of 0.3 nM, 0.2 nM, and 0.2 nM for EGFR (WT), EGFR (L858R), and EGFR (exon 19Del), respectively. Phase 1.
81	Tyrphostin 9	EGFR	95	Tyrphostin 9 is firstly designed as an EGFR inhibitor with IC ₅₀ of 460 μM, but is also found to be more potent to PDGFR with IC ₅₀ of 0.5 μM.
82	PR-619	DUB	95	PR-619 is a non-selective, reversible inhibitor of the deubiquitinating enzymes (DUBs) with EC ₅₀ of 1-20 μM.
83	PP121	DNA-PK, mTOR, PDGF	95	PP-121 is a multi-targeted inhibitor of PDGFR, Hck, mTOR, VEGFR2, Src and Abl with IC ₅₀ of 2 nM, 8 nM, 10 nM, 12 nM, 14 nM and 18 nM, also inhibits DNA-PK with IC ₅₀ of 60 nM.
84	Fludarabine Phosphate	DNA/RNA Synthesis	95	Fludarabine Phosphate is an analogue of adenosine and deoxyadenosine, which is able to compete with dATP for incorporation into DNA and inhibit DNA synthesis.
85	Clofarabine	DNA/RNA Synthesis	95	Clofarabine inhibits the enzymatic activities of ribonucleotide reductase (IC ₅₀ = 65 nM) and DNA polymerase.
86	MG-101 (ALLN)	Cysteine Protease	95	MG-101 (ALLN) is a cell-permeable and potent inhibitor of cysteine proteases including calpains and lysosomal cathepsins.
87	Salicylic acid	COX	95	Salicylic acid is a beta hydroxy acid that occurs as a natural compound in plants which is an inhibitor of ethylene biosynthesis and cyclooxygenase activity.
88	BMS-794833	c-Met, VEGFR	95	BMS-794833 is a potent ATP competitive inhibitor of Met/VEGFR2 with IC ₅₀ of 1.7 nM/15 nM, also inhibits Ron, Axl and Flt3 with IC ₅₀ of <3 nM; a prodrug of BMS-817378. Phase 1.
89	AZD7762	Chk	95	AZD7762 is a potent and selective inhibitor of Chk1 with IC ₅₀ of 5 nM. It is equally potent against Chk2 and less potent against CAM, Yes, Fyn, Lyn, Hck and Lck. Phase 1.
90	R547	CDK	95	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 GSK3α/β, while inactive to other kinases.
91	AT7519	CDK	95	AT7519 is a multi-CDK inhibitor for CDK1, 2, 4, 6 and 9 with IC ₅₀ of 10-210 nM. It is less potent to CDK3 and little active to CDK7. Phase 1.
92	Flavopiridol HCl	CDK	95	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

93	Dinaciclib (SCH727965)	CDK	95	is initially found to inhibit EGFR and PKA. Phase 1/2. 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.
94	AZD5438	CDK	95	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.
95	SNS-032 (BMS-387032)	CDK	95	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.
96	Lercanidipine (hydrochloride)	Calcium Channel	95	Lercanidipine is a calcium channel blocker of the dihydropyridine class.
97	Ponatinib (AP24534)	Bcr-Abl, VEGFR, FGFR, PDGFR, Flt	95	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.
98	DCC-2036 (Rebastinib)	Bcr-Abl	95	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.
99	AT101	Bcl-2	95	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.
100	ABT-199 (GDC-0199)	Bcl-2	95	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.
101	Alisertib (MLN8237)	Aurora Kinase	95	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.
102	FCCP	ATPase	95	FCCP is a potent uncoupler of oxidative phosphorylation in mitochondria that disrupts ATP synthesis by transporting protons across cell membranes.
103	CGK 733	ATM/ATR	95	CGK 733 is a potent and selective inhibitor of ATM/ATR with IC50 of ~200 nM.
104	MK-2866 (GTx-024)	Androgen Receptor	95	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.
105	GSK690693	Akt	95	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.
106	Formoterol Hemifumarate	Adrenergic Receptor	95	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.
107	Trihexyphenidyl hydrochloride	AChR	95	Trihexyphenidyl hydrochloride is an antiparkinsonian agent of the antimuscarinic class.
108	Prucalopride	5-HT Receptor	95	Prucalopride is a selective, high affinity 5-HT receptor agonist for 5-HT _{4A} and 5-HT _{4B} receptor with K _i of 2.5 nM and 8 nM, respectively, exhibits >290-fold selectivity against other 5-HT receptor subtypes. Phase 3.
109	Sodium Monofluorophosphate	Akt	95	Perifosine (KRX-0401) is a novel Akt inhibitor with IC ₅₀ of 4.7 μM in MM.1S cells, targets pleckstrin homology domain of Akt. Phase 3.
110	Mizoribine	Others	95	Proflavine Hemisulfate is a topical antiseptic by interchelating DNA, thereby disrupting DNA synthesis and leading to high levels of mutation in the copied DNA strands.
111	Bivalirudin Trifluoroacetate	Autophagy, DNA/RNA Synthesis	95	Gemcitabine HCl is a DNA synthesis inhibitor with IC ₅₀ of 50 nM, 40 nM, 18 nM and 12 nM in PANC1, MIAPaCa2, BxPC3 and Capan2 cells, respectively.
112	PD0166285	Wee1/Chk1	90	PD0166285 is a potent Wee1 and Chk1 inhibitor with activity at nanomolar concentrations. PD0166285 is a novel G2 checkpoint abrogator.
113	NVP-BHG712	VEGFR, Src, Raf, Bcr-Abl	90	NVP-BHG712 is a specific EphB4 inhibitor with ED ₅₀ of 25 nM that discriminates between VEGFR and EphB4 inhibition; also shows activity against c-Raf, c-Src and c-Abl with IC ₅₀ of 0.395 μM, 1.266 μM and 1.667 μM, respectively.
114	(S)-10-Hydroxycamptothecin	Topoisomerase	90	10-Hydroxycamptothecin is a DNA topoisomerase I inhibitor with potent anti-tumor activity.
115	SU6656	Src	90	SU 6656 is a selective Src family kinase inhibitor with IC ₅₀ of 280 nM, 20 nM, 130 nM, and 170 nM for Src, Yes, Lyn, and Fyn, respectively.
116	Vinpocetine	Sodium Channel	90	Vinpocetine is a selective inhibitor of voltage-sensitive sodium channel for the treatment of stroke, vascular dementia and Alzheimer's disease.
117	SGI-1776 free base	Pim	90	SGI-1776 is a novel ATP competitive inhibitor of Pim1 with IC ₅₀ of 7 nM, 50- and 10-fold selective versus Pim2 and Pim3, also potent to Flt3 and haspin. Phase 1.
118	GNE-317	PI3K	90	GNE-317 is a potent, brain-penetrant PI3K inhibitor.
119	Linifanib (ABT-869)	PDGFR, VEGFR	90	Linifanib (ABT-869) is a novel, potent ATP-competitive VEGFR/PDGFR inhibitor for KDR, CSF-1R, Flt-1/3 and PDGFRβ with IC ₅₀ 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.
120	Olaparib (AZD2281,	PARP	90	Olaparib (AZD2281, KU0059436) is a selective inhibitor of PARP1/2 with IC ₅₀ of 5 nM/1 nM, 300-times less effective

	Ku-0059436)			against tankyrase-1. Phase 1/2.
121	NSC348884	p53	90	NSC348884, as a nucleophosmin inhibitor, inhibit cell proliferation and induce apoptosis in various cancer cell lines with IC50 values ranging from 1.4-4 μM
122	Cetrimonium Bromide (CTAB)	Others	90	Cetrimonium Bromide is a known component of the broad-spectrum antiseptic cetrimide, which is a mixture of different quaternary ammonium salts.
123	Altretamine	Others	90	Altretamine is an anti-neoplastic agent.
124	4E1RCat	Others	90	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.
125	Ridaforolimus (Deforolimus, MK-8669)	mTOR	90	Ridaforolimus (Deforolimus, MK-8669) is a selective mTOR inhibitor with IC50 of 0.2 nM in HT-1080 cell line; while not classified as a prodrug, mTOR inhibition and FKBP12 binding is similar to rapamycin. Phase 3.
126	CC-223	mTOR	90	CC-223 is a potent, selective, and orally bioavailable mTOR inhibitor with IC50 of 16 nM, >200-fold selectivity over the related PI3K-α. Phase 1/2.
127	Combretastatin A4	Microtubule Associated	90	Combretastatin A4 is a microtubule-targeting agent that binds β-tubulin with K _d of 0.4 μM. Phase 3.
128	FLLL32	JAK	90	FLLL32 is a potent JAK2/STAT3 inhibitor with IC50 of <5 μM.
129	Elvitegravir (GS-9137, JTK-303)	Integrase	90	Elvitegravir (EVG, JTK-303/GS-9137) is an HIV integrase inhibitor for HIV-1 IIIB, HIV-2 EHO and HIV-2 ROD with IC50 of 0.7 nM, 2.8 nM and 1.4 nM, respectively.
130	SNX-2112 (PF-04928473)	HSP	90	SNX-2112 selectively binds to the ATP pocket of HSP90α and HSP90β with K _a of 30 nM and 30 nM, uniformly more potent than 17-AAG.
131	AT13387	HSP	90	AT13387 is a selective potent Hsp90 inhibitor with IC50 of 18 nM in A375 cells, displays a long duration of anti-tumor activity.
132	GSK1292263	GPR	90	GSK1292263 is a novel GPR119 agonist, showing potential for the treatment of type 2 diabetes. Phase 2.
133	Erlotinib HCl (OSI-744)	EGFR	90	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.
134	Flavopiridol (Alvocidib)	CDK	90	Flavopiridol (Alvocidib) competes with ATP to inhibit CDKs including CDK1, CDK2, CDK4 and CDK6 with IC50 of ~ 40 nM. It is 7.5-fold more selective for CDK1, 2, 4, 6 versus CDK7. Flavopiridol is initially found to inhibit EGFR and PKA. Phase 1/2.
135	Almotriptan Malate	5-HT Receptor	90	Almotriptan Malate is a selective 5-hydroxytryptamine1B/1D (5-HT1B/1D) receptor agonist, used for the treatment of Migraine attacks in adults.

136	Proflavine Hemisulfate	DNA/RNA Synthesis	90	Blasticidin S HCl is a nucleoside antibiotic isolated from <i>Streptomyces girseochromogenes</i> , and acts as a DNA and protein synthesis inhibitor, used to select transfected cells carrying bsr or BSD resistance genes.
137	Blasticidin S HCl	DNA/RNA Synthesis	90	Bivalirudin Trifluoroacetate is a synthetic 20 residue peptide (thrombin inhibitor) which reversibly inhibits thrombin.
138	Cabozantinib malate (XL184)	VEGFR	85	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.
139	Irinotecan	Topoisomerase	85	Irinotecan is a topoisomerase I inhibitor for LoVo cells and HT-29 cells with IC50 of 15.8 μ M and 5.17 μ M, respectively.
140	S3I-201	STAT	85	S3I-201 shows potent inhibition of STAT3 DNA-binding activity with IC50 of 86 μ M, and low activity towards STAT1 and STAT5.
141	Ibutilide Fumarate	Sodium Channel	85	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.
142	Tanshinone I	Phospholipase (e.g. PLA)	85	Tanshinone I, an active principle isolated from <i>Salvia miltiorrhiza</i> (Danshen), is structurally similar to tanshinone IIA and may possess similar cytotoxic effects on tumor cells.
143	BX-795	PDK-1, IKK	85	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 GSK3 β more than 100-fold selectivity observed for PDK1.
144	BX-912	PDK-1	85	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.
145	Imatinib Mesylate (STI571)	PDGFR, c-Kit, Bcr-Abl	85	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.
146	NMS-873	p97	85	NMS-873 is an allosteric and specific p97 inhibitor with IC50 of 30 nM.
147	JNJ-26854165 (Serdemetan)	p53	85	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.
148	Chlorquinaldol	Others	85	Chlorquinaldol is an antimicrobial agent used for local antiseptic.

149	Cephalomannine	Others	85	Cephalomannine is an active anti-cancer agent obtained from <i>Taxus yunnanensis</i> and has an antineoplastic effect on tumors found in mice.
150	Benzethonium Chloride	Others	85	Benzethonium chloride is a potent inhibitor of nAChRs, it inhibits $\alpha 4\beta 2$ nAChRs and $\alpha 7$ nAChRs with IC ₅₀ of 49 nM and 122 nM, respectively.
151	Penfluridol	Others	85	Penfluridol is a highly potent, first generation diphenylbutylpiperidine antipsychotic.
152	Xylose	Others	85	Xylose is a sugar first isolated from wood.
153	Sertaconazole nitrate	Others	85	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.
154	Mometasone furoate	Others	85	Mometasone furoate is a glucocorticosteroid used topically to reduce inflammation of the skin or in the airways.
155	(+)-MK 801 maleate	NMDAR	85	(+)-MK-801 is a potent, selective and non-competitive NMDA receptor antagonist with K _d of 37.2 nM in rat brain membranes
156	ABT-751 (E7010)	Microtubule Associated	85	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.
157	AZD8330	MEK	85	AZD8330 is a novel, selective, non-ATP competitive MEK 1/2 inhibitor with IC ₅₀ of 7 nM. Phase 1.
158	AZD1480	JAK	85	AZD1480 is a novel ATP-competitive JAK2 inhibitor with IC ₅₀ of 0.26 nM, selectivity against JAK3 and Tyk2, and to a smaller extent against JAK1. Phase 1.
159	AZ 960	JAK	85	AZ 960 is a novel ATP competitive JAK2 inhibitor with IC ₅₀ and K _i of <3 nM and 0.45 nM, 3-fold selectivity of AZ960 for JAK2 over JAK3.
160	Rosuvastatin Calcium	HMG-CoA Reductase	85	Rosuvastatin Calcium is a competitive inhibitor of HMG-CoA reductase with IC ₅₀ of 11 nM.
161	Fluvastatin Sodium	HMG-CoA Reductase	85	Fluvastatin Sodium inhibits HMG-CoA reductase activity with IC ₅₀ of 8 nM.
162	Atorvastatin Calcium	HMG-CoA Reductase	85	Atorvastatin (Lipitor) is an inhibitor of HMG-CoA reductase used as a cholesterol-lowering medication that blocks the production of cholesterol.
163	Taladegib (LY2940680)	Hedgehog, Hedgehog/Smoothed	85	Taladegib (LY2940680) binds to the Smoothed (Smo) receptor and potently inhibits Hedgehog (Hh) signaling. Phase 1/2.
164	KW-2449	Flt, Bcr-Abl, Aurora Kinase	85	KW-2449 is a multiple-targeted inhibitor, mostly for Flt3 with IC ₅₀ of 6.6 nM, modestly potent to FGFR1, Bcr-Abl and Aurora A; little effect on PDGFR β , IGF-1R, EGFR. Phase 1.
165	PF-00562271	FAK	85	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.
166	Levosulpiride	Dopamine Receptor	85	Levosulpiride is a selective antagonist for D2 dopamine receptors used as an antipsychotic and prokinetic agent.
167	Raltitrexed	DNA/RNA Synthesis	85	Raltitrexed is a thymidylate synthase inhibitor with an IC50 of 9 nM for the inhibition of L1210 cell growth.
168	PHA-767491	CDK	85	PHA-767491 is a potent ATP-competitive dual Cdc7/CDK9 inhibitor with IC50 of 10 nM and 34 nM in cell-free assays, 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.
169	Vincristine sulfate	Autophagy, Microtubule Associated	85	Vincristine is an inhibitor of polymerization of microtubules by binding to tubulin with IC50 of 32 μ M.
170	SNS-314 Mesylate	Aurora Kinase	85	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.
171	5-Iodotubercidin	adenosine receptor	85	5-Iodotubercidin is a potent adenosine kinase inhibitor with IC50 of 26 nM. It inhibits nucleoside transporter, CK1, insulin receptor tyrosine kinase, phosphorylase kinase, PKA, CK2 and PKC.
172	Perifosine (KRX-0401)	Others	85	Sodium Monofluorophosphate is a competitive inhibitor of pyruvate kinase and alkaline phosphatase with Ki of 3.4 mM and 69 μ M, respectively, which also irreversibly inhibits phosphorylase phosphatase with Ki of 0.5 mM.
173	RO4929097	Y-Secretase	80	RO4929097 is a γ secretase inhibitor with IC50 of 4 nM, inhibiting cellular processing of A β 40 and Notch with EC50 of 14 nM and 5 nM, respectively. Phase 2.
174	Telatinib	VEGFR, PDGFR, c-Kit	80	Telatinib is a potent inhibitor of VEGFR2/3, c-Kit and PDGFR β with IC50 of 6 nM/4 nM, 1 nM and 15 nM, respectively. Phase 2.
175	Topotecan HCl	Topoisomerase	80	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.
176	Irinotecan HCl Trihydrate	Topoisomerase	80	Irinotecan prevents DNA from unwinding by inhibition of topoisomerase 1.
177	Stattic	STAT	80	Stattic, the first nonpeptidic small molecule, potently inhibits STAT3 activation and nuclear translocation with IC50 of 5.1 μ M, highly selectivity over STAT1.
178	PF-4708671	S6 Kinase	80	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.
179	ML141	Rho	80	ML141 is a potent, selective and reversible non-competitive inhibitor of Rho family GTPase cdc42 with IC50 of 200 nM.
180	UK 383367	Procollagen C Proteinase	80	UK-383367 is a procollagen C-proteinase inhibitor with IC50 of 44 nM, has excellent selectivity over MMPs.
181	Rosiglitazone HCl	PPAR	80	Rosiglitazone HCl is a blood glucose-lowering drugs, stimulating insulin secretion by binding to the PPAR receptors in fat cells.
182	Rigosertib (ON-01910)	PLK	80	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.
183	GSK461364	PLK	80	GSK461364 inhibits purified Plk1 with Ki of 2.2 nM. It is more than 1000-fold selective against Plk2/3. Phase 1.
184	HMN-214	PLK	80	HMN-214 is a prodrug of HMN-176, which alters the cellular spatial orientation of Plk1.
185	GSK2126458 (GSK458)	PI3K, mTOR	80	GSK2126458 is a highly selective and potent inhibitor of p110 $\alpha/\beta/\delta/\gamma$, 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.
186	YM201636	PI3K	80	YM201636 is a selective PIKfyve inhibitor with IC50 of 33 nM, less potent to p110 α and insensitive to FabI (yeast orthologue).
187	GSK2606414	PERK	80	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.
188	Roflumilast	PDE	80	Roflumilast is a selective inhibitor of PDE4 with IC50 of 0.2-4.3 nM.
189	A-966492	PARP	80	A-966492 is a novel and potent inhibitor of PARP1 and PARP2 with K_i of 1 nM and 1.5 nM, respectively.
190	Almorexant HCl	OX Receptor	80	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.
191	Artesunate	Others	80	Artesunate is a part of the artemisinin group of agents with an IC50 of < 5 μ M for small cell lung carcinoma cell line H69.
192	Mebendazole	others	80	Mebendazole is a synthetic benzimidazole derivate and anthelmintic agent. Mebendazole interferes with the reproduction and survival of helminths by inhibiting the formation of their cytoplasmic microtubules, thereby selectively and irreversibly blocking glucose uptake.
193	Modafinil	others	80	Modafinil is a mood-brightening and memory-enhancing psychostimulant which enhances wakefulness and vigilance.
194	LY2886721	Others	80	LY2886721 is an BACE inhibitor used for the treatment of

195	Nicardipine HCl	Others	80	Alzheimer's Disease. Nicardipine is a dihydropyridine calcium-channel blocking agent used for the treatment of vascular disorders.
196	Cepharanthine	Others	80	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.
197	Albendazole	Others	80	Albendazole is a member of the benzimidazole compounds used as a drug indicated for the treatment of a variety of worm infestations.
198	Triclabendazole	Others	80	Triclabendazole is a benzimidazole, it binds to tubulin impairing intracellular transport mechanisms and interferes with protein synthesis.
199	Sal003	Others	80	Sal003 is a potent and cell-permeable eIF-2 α phosphatase inhibitor.
200	Ambrisentan	Others	80	Ambrisentan, a highly selective antagonist of the endothelin-1 type A receptor with IC ₅₀ of 18 nM, is indicated for the treatment of pulmonary arterial hypertension (PAH).
201	ADL5859 HCl	Opioid Receptor	80	ADL5859 HCl is a δ -opioid receptor agonist with K _i of 0.8 nM, selectivity against opioid receptor κ , μ , and weak inhibitory activity at the hERG channel. Phase 2.
202	Mestranol	NULL	80	Mestranol is the 3-methyl ether of ethinylestradiol. It was the estrogen used in many of the first oral contraceptives.
203	Caffeic Acid Phenethyl Ester	NF- κ B	80	Caffeic acid phenethyl ester is a potent and specific inhibitor of NF- κ B activation, and also displays antioxidant, immunomodulatory and antiinflammatory activities.
204	Voxtalisib (XL765, SAR245409)	mTOR,PI3K	80	Voxtalisib (SAR245409, XL765) is a dual inhibitor of mTOR/PI3K, mostly for p110 γ with IC ₅₀ of 9 nM; also inhibits DNA-PK and mTOR. Phase 1/2.
205	PP242	mTOR	80	PP242 is a selective mTOR inhibitor with IC ₅₀ of 8 nM; targets both mTOR complexes with >10- and 100-fold selectivity for mTOR than PI3K δ or PI3K $\alpha/\beta/\gamma$, respectively.
206	INK 128 (MLN0128)	mTOR	80	INK 128 is a potent and selective mTOR inhibitor with IC ₅₀ 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.
207	Epothilone A	Microtubule Associated	80	Epothilone A is a Taxol-like microtubule-stabilizing agent with EC _{0.01} of 2 μ M.
208	Docetaxel	Microtubule Associated	80	Docetaxel, an analog of taxol, is an inhibitor of depolymerisation of microtubules by binding to stabilized microtubules.
209	Pacritinib (SB1518)	JAK	80	Pacritinib (SB1518) is a potent and selective inhibitor of Janus Kinase 2 (JAK2) and Fms-Like Tyrosine Kinase-3 (FLT3) with IC ₅₀ s of 23 and 22 nM, respectively.

210	Tyrphostin AG 879	HER2	80	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.
211	Mubritinib (TAK 165)	HER2	80	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.
212	CUDC-101	HDAC, EGFR, HER2	80	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.
213	M344	HDAC	80	M344 is a potent HDAC inhibitor with IC50 of 100 nM and able to induce cell differentiation.
214	SKF38393 HCl	Dopamine Receptor	80	SKF38393 HCl is a selective dopamine D1/D5 receptor agonist.
215	Floxuridine	DNA/RNA Synthesis	80	Floxuridine is a prodrugs of floxuridine and an oncology agent with an GI50 of 5.1 μ M for the inhibition of MDCK/PEPT1.
216	Fluorouracil (5-Fluoracil, 5-FU)	DNA/RNA Synthesis	80	Fluorouracil (5-Fluoracil, 5-FU) is an DNA/RNA synthesis inhibitor, which interrupts nucleotide synthetic by inhibiting thymidylate synthase (TS).
217	Methotrexate	DHFR	80	Methotrexate is an antimetabolite and antifolate drug, which acts by inhibiting the metabolism of folic acid.
218	JNJ-38877605	c-Met	80	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.
219	AT7519 HCl	CDK	80	AT7519 HCl is a multi-CDK inhibitor for CDK1, 2, 4, 6 and 9 with IC50 of 10-210 nM in cell-free assays. It is less potent to CDK3 and little active to CDK7. Phase 2.
220	Roscovitine (Seliciclib, CYC202)	CDK	80	Roscovitine (Seliciclib, CYC202) is a potent and selective CDK inhibitor for Cdc2, CDK2 and CDK5 with IC50 of 0.65 μ M, 0.7 μ M and 0.16 μ M. It shows little effect on CDK4/6. Phase 2.
221	IC261	Casein kinase	80	IC261 is a novel inhibitor of CK1. The IC50 of IC261 for CK1 was 16 μ M and for Cdk5 is 4.5 mM.
222	AT9283	Bcr-Abl, JAK, Aurora Kinase	80	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.
223	Barasertib (AZD1152-HQPA)	Aurora Kinase	80	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.
224	Bisoprolol fumarate	Adrenergic Receptor	80	Bisoprolol fumarate is a selective type β 1 adrenergic receptor blocker.
225	CGS 21680 HCl	5-alpha Reductase	80	CGS 21680 HCl is an adenosine A2 receptor agonist with IC50 of 22 nM, exhibits 140-fold over A1 receptor.
226	SB505124	TGF-beta/Smad	75	SB505124 is a selective inhibitor of TGF β R for ALK4, ALK5 with IC50 of 129 nM and 47 nM, respectively, also inhibits

				ALK7, but does not inhibit ALK1, 2, 3, or 6.
227	Dasatinib Monohydrate	Src	75	Dasatinib Monohydrate 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.
228	SRT1720	Sirtuin	75	SRT1720 is a selective SIRT1 activator with EC50 of 0.16 μM, but is >230-fold less potent for SIRT2 and SIRT3.
229	RAF265 (CHIR-265)	Raf, VEGFR	75	RAF265 (CHIR-265) is a potent selective inhibitor of C-Raf/B-Raf with IC50 of 3-60 nM, and exhibits potent inhibition on VEGFR2 phosphorylation with EC50 of 30 nM. Phase 2.
230	Imidapril HCl	RAAS	75	Imidapril HCl is a angiotensin-converting enzyme (ACE) inhibitor with IC50 of 2.6 nM, used for the treatment of hypertension.
231	BKM120 (NVP-BKM120, Buparlisib)	PI3K	75	BKM120 is a selective PI3K inhibitor of p110α/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 PI4Kβ. Phase 1/2.
232	CP-673451	PDGFR	75	CP 673451 is a selective inhibitor of PDGFRα/β with IC50 of 10 nM/1 nM, exhibits >450-fold selectivity over other angiogenic receptors, has antiangiogenic and antitumor activity.
233	S-(+)-Rolipram	PDE	75	S-(+)-Rolipram 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.
234	Dextrose	Others	75	Dextrose, a simple sugar (monosaccharide), is an important carbohydrate in biology.
235	Mefloquine HCl	Others	75	Mefloquine HCl is a blood schizonticide by inhibiting hemozoin formation, used as an antimalarial drug.
236	PTC-209 HBr	Others	75	PTC-209 HBr is the hydrobromide salt of PTC-209, which is a potent and selective BMI-1 inhibitor with IC50 of 0.5 μM, and results in irreversible reduction of cancer-initiating cells (CICs).
237	Ascomycin (FK520)	Others	75	Ascomycin (FK520), an FK-506 analog, is a neutral macrolide immunosuppressant , which prevents rejection after an organ transplant. Phase 3.
238	Bexarotene	Others	75	Bexarotene is a retinoid specifically selective for retinoid X receptors, used as an oral antineoplastic agent in the treatment of cutaneous T-cell lymphoma.
239	Dronedaronone HCl	Others	75	Dronedaronone HCl is a therapy for the treatment of patients with paroxysmal and persistent atrial fibrillation or atrial flutter.
240	Sulconazole Nitrate	Others	75	Sulconazole Nitrate is an imidazole derivative with broad-spectrum antifungal activity.
241	Arbidol HCl	Others	75	Arbidol is an antiviral treatment for influenza infection.
242	Ciclesonide	others	75	Ciclesonide is a glucocorticoid used to treat obstructive airway

				diseases.
243	PA-824	Others	75	PA-824 is an anti-tuberculosis drug for tuberculosis with MIC less than 2.8 μ M.
244	Naltrexone HCl	Opioid Receptor	75	Naltrexone is an opioid receptor antagonist with IC50 of 8 nM used primarily in the management of alcohol dependence and opioid dependence.
245	PF-04691502	mTOR, PI3K, Akt	75	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.
246	Paclitaxel	Microtubule Associated	75	Paclitaxel is a microtubule polymer stabilizer with IC50 of 0.1 μ M in human endothelial cells.
247	PF-06447475	LRRK2	75	PF-06447475 is a potent, selective, and brain penetrant LRRK2 kinase inhibitor with IC50 of 3 nM.
248	WS3	I κ B/IKK	75	WS3 is a β cell proliferation inducer via modulation of Erb3 binding protein-1 (EBP1) and the I κ B kinase pathway.
249	KW-2478	HSP	75	KW-2478 is a nonansamycin HSP90 inhibitor with IC50 of 3.8 nM. Phase 1/2
250	Lovastatin	HMG-CoA Reductase	75	Lovastatin is an inhibitor of HMG-CoA reductase with IC50 of 3.4 nM, used for lowering cholesterol (hypolipidemic agent).
251	Pracinostat (SB939)	HDAC	75	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 SIRT I. Phase 2.
252	LAQ824 (Dacinostat)	HDAC	75	LAQ824 (Dacinostat) is a novel HDAC inhibitor with IC50 of 32 nM and is known to activate the p21 promoter.
253	TWS119	GSK-3	75	TWS119 is a GSK-3 β inhibitor with IC50 of 30 nM; capable of inducing neuronal differentiation and may be useful to stem cell biology.
254	Lapatinib	EGFR, HER2	75	Lapatinib, used in the form of Lapatinib Ditosylate, is a potent EGFR and ErbB2 inhibitor with IC50 of 10.8 and 9.2 nM, respectively.
255	FT-207 (NSC 148958)	DNA/RNA Synthesis	75	FT-207 (NSC 148958) is a substance being used in the treatment of some types of cancer.
256	Ifosfamide	DNA/RNA Synthesis	75	Ifosfamide is a nitrogen mustard alkylating agent used in the treatment of cancer.
257	Gossypol	Dehydrogenase	75	Gossypol is a polyphenolic aldehyde that permeates cells and acts as an inhibitor for several dehydrogenase enzymes.
258	Tivantinib (ARQ 197)	c-Met	75	Tivantinib (ARQ 197) is the first non-ATP-competitive c-Met inhibitor with K_{i} of 0.355 μ M in a cell-free assay, little activity to Ron, and no inhibition to EGFR, InsR, PDGFR α or FGFR1/4. Phase 3.
259	SU9516	CDK	75	SU 9516 is a 3-substituted indolinone CDK inhibitor

				with IC₅₀ of 22 nM, 40 nM, and 200 nM for CDK2, CDK1, and CDK4, respectively.
260	Flubendazole	Autophagy	75	Flubendazole is an autophagy inducer by targeting Atg4B, used to treat internal parasite and worm infection.
261	Danuserib (PHA-739358)	Aurora Kinase, FGFR, Bcr-Abl, c-RET, Src	75	Danuserib (PHA-739358) is an Aurora kinase inhibitor for Aurora A/B/C with IC ₅₀ 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.
262	PF-3716556	ATPase, Proton Pump	75	PF 3716556 is a potent and selective P-CAB (potassium-competitive acid blocker), with pIC ₅₀ of 6.026 and 7.095 for the inhibition of porcine H ⁺ ,K ⁺ -ATPase activity in ion-leaky and ion-tight assay, respectively, inhibits gastric acid secretion, displays no activity at Na ⁺ ,K ⁺ -ATPase, used for the treatment of gastroesophageal reflux disease.
263	Spironolactone	Androgen Receptor	75	Spironolactone is a potent antagonist of the androgen receptor with IC ₅₀ of 77 nM.
264	A-674563	Akt, CDK, PKA	75	A-674563 is an Akt1 inhibitor with K _i of 11 nM, modest potent to PKA and >30-fold selective for Akt1 over PKC.
265	LY3023414	Akt	75	LY3023414 is an oral ATP competitive inhibitor of the class I PI3K isoforms, mTOR and DNA-PK.
266	Naftopidil	Adrenergic Receptor	75	Naftopidil (Flivas) is a selective α ₁ -adrenergic receptor antagonist or alpha blocker with a K _i of 58.3 nM.
267	Cisatracurium Besylate	Adrenergic Receptor	75	Cisatracurium Besylate is a nondepolarizing neuromuscular blocking agent, antagonizing the action of acetylcholine by inhibiting neuromuscular transmission.
268	Bortezomib (PS-341)	20S proteasome	75	Bortezomib (PS-341) is a potent 20S proteasome inhibitor with K _i of 0. favorable selectivity towards tumor cells over normal cells.
269	Gemcitabine HCl	DNA/RNA Synthesis	75	Mizoribine is an imidazole nucleoside, selectively inhibits inosine monophosphate synthetase and guanosine monophosphate synthetase.
270	SN-38	Topoisomerase	70	SN-38 is an active metabolite of CPT-11, inhibits DNA topoisomerase I, DNA synthesis and causes frequent DNA single-strand breaks.
271	Tie2 kinase inhibitor	Tie-2	70	Tie2 kinase inhibitor is an optimized compound of SB-203580, selective to Tie2 with IC ₅₀ of 0.25 μM, 200-fold more potent than p38.
272	Daunorubicin HCl	Telomerase	70	Daunorubicin HCl inhibits both DNA and RNA synthesis and inhibits DNA synthesis with K _i of 0.02 μM.
273	LDE225 (NVP-LDE225, Erismodegib)	Smoothened	70	LDE225 (NVP-LDE225) is a Smoothened (Smo) antagonist, inhibiting Hedgehog (Hh) signaling with IC ₅₀ of 1.3 nM (mouse) and 2.5 nM (human), respectively. Phase 3.
274	RKI-1447	ROCK	70	RKI-1447 is a potent inhibitor of ROCK1 and ROCK2, with IC ₅₀ of 14.5 nM and 6.2 nM, respectively, has anti-invasive

				and antitumor activities.
275	Temocapril HCl	RAAS	70	Temocapril HCl is the hydrochloride of Temocapril, which is a long-acting angiotensin-converting enzyme (ACE) inhibitor, used for the treatment of hypertension.
276	PF-4989216	PI3K	70	PF-4989216 is a potent and selective PI3K inhibitor with IC ₅₀ of 2 nM, 142 nM, 65 nM, 1 nM, and 110 nM for p110 α , p110 β , p110 γ , p110 δ , and VPS34, respectively.
277	Crenolanib (CP-868596)	PDGFR	70	Crenolanib (CP-868596) is a potent and selective inhibitor of PDGFR α/β with K _d 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.
278	Cilostazol	PDE	70	Cilostazol is a potent cyclic nucleotide phosphodiesterase type 3 (PDE3) inhibitor with IC ₅₀ of 0.2 μ M and inhibitor of adenosine uptake.
279	AG-14361	PARP	70	AG14361 is a potent inhibitor of PARP1 with K _i of <5 nM. It is at least 1000-fold more potent than the benzamides.
280	RITA (NSC 652287)	p53	70	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.
281	Atropine sulfate monohydrate	Others	70	Atropine sulfate monohydrate is a competitive muscarinic acetylcholine receptor antagonist with an IC ₅₀ of 2.5 nM.
282	Artemisinin	Others	70	Artemisinin is a drug used to treat multi-drug resistant strains of falciparum malaria.
283	Conivaptan HCl	Others	70	Conivaptan is a non-peptide inhibitor of antidiuretic hormone (vasopressin receptor antagonist).
284	Fenbendazole	Others	70	Fenbendazole is a broad spectrum benzimidazole anthelmintic used against gastrointestinal parasites with an IC ₅₀ of about 0.01 μ g/mL.
285	Tanshinone IIA	Others	70	Tanshinone IIA(Tanshinone B) is the most abundant diterpene quinone in Danshen, <i>Salviae miltiorrhizae Radix</i> , a widely prescribed traditional herbal medicine that is used to treat cardiovascular and inflammatory diseases.
286	Nitazoxanide	Others	70	Nitazoxanide is a synthetic nitrothiazolyl-salicylamide derivative and an antiprotozoal agent. (IC ₅₀ for canine influenza virus ranges from 0.17 to 0.21 μ M)
287	Bendamustine HCl	Others	70	Bendamustine HCL is a DNA-damaging agent with IC ₅₀ of 50 μ M.
288	LY2608204	Others	70	LY2608204 activates glucokinase (GK) with EC ₅₀ of 42 nM. Phase 2.
289	WYE-125132 (WYE-132)	mTOR	70	WYE-125132 is a highly potent, ATP-competitive mTOR inhibitor with IC ₅₀ of 0.19 nM; highly selective for mTOR versus PI3Ks or PI3K-related kinases hSMG1 and ATR.

290	Batimastat (BB-94)	MMP	70	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.
291	NSC 405020	MMP	70	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.
292	PD98059	MEK	70	PD98059 is a non-ATP competitive MEK inhibitor with IC50 of 2 µM, specifically inhibits MEK-1-mediated activation of MAPK; does not directly inhibit ERK1 or ERK2.
293	MEK162 (ARRY-162, ARRY-43816 2)	MEK	70	ARRY-438162 is a potent inhibitor of MEK1/2 with IC50 of 12 nM.
294	Rasagiline Mesylate	MAO	70	Rasagiline Mesylate is a new MAO-B inhibitor for the treatment of idiopathic Parkinson's disease.
295	CH5138303	HSP (e.g. HSP90)	70	CH5138303 is an orally available Hsp90 inhibitor with Kd of 0.48 nM.
296	PF-04929113 (SNX-5422)	HSP	70	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.
297	2-Methoxyestradiol (2-MeOE2)	HIF	70	2-Methoxyestradiol depolymerizes microtubules and blocks HIF-1α nuclear accumulation and HIF-transcriptional activity. Phase 2.
298	GW9508	GPR	70	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.
299	Dacarbazine	DNA/RNA Synthesis	70	Dacarbazine is an antineoplastic chemotherapy drug used in the treatment of various cancers.
300	Aloxistatin	Cysteine Protease	70	Aloxistatin is an irreversible and membrane-permeable cysteine protease inhibitor.
301	ON123300	CDK	70	ON123300 is a potent and multi-targeted kinase inhibitor with IC50 of 3.9 nM, 5 nM, 26 nM, 26 nM, 9.2 nM and 11nM for CDK4, Ark5, PDGFRβ, FGFR1, RET, and Fyn, respectively.
302	Odanacatib (MK-0822)	Cathepsin K	70	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.
303	Azelnidipine	Calcium Channel	70	Azelnidipine is a dihydropyridine calcium channel blocker.
304	TAK-901	Aurora Kinase	70	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.

305	Formestane	Aromatase	70	Formestane(Lentaron(R)) is a second generation selective aromatase inhibitor with an IC50 of 80 nM.
306	Silodosin	Adrenergic Recepto	70	Silodosin(Rapaflo) is an α 1-adrenoceptor antagonist with high uroselectivity.

Table S2. Preliminary screening bioactive compounds that facilitate ZIKV infection in SNB-19 cells

No.	Name	Target	Fold change	Brief introduction
1	URMC-099	MLK3	2.9	URMC-099 is an orally bioavailable, brain penetrant mixed lineage kinase (MLK) inhibitor with IC_{50} of 19 nM, 42 nM, 14 nM, and 150 nM, for MLK1, MLK2, MLK3, and DLK, respectively, and also inhibits LRRK2 activity with IC_{50} of 11 nM.
2	BV-6	PLK	2.8	BV-6 is a SMAC mimetic, dual cIAP and XIAP inhibitor.
3	LDK378	IAP	2.8	LDK378 is potent inhibitor against ALK with IC_{50} of 0.2 nM, shows 40- and 35-fold selectivity against IGF-1R and InsR, respectively. Phase 2.
4	BI2536	ALK	2.8	BI2536 is a potent Plk1 inhibitor with IC_{50} of 0.83 nM. It shows 4- and 11-fold greater selectivity against Plk2 and Plk3. Phase 2.
5	BMS-833923	Hedgehog/Smoothened	2.3	BMS-833923 is an orally bioavailable Smoothened antagonist. Phase 2.
6	GSK503	Histone Methyltransferase	2.3	GSK503 is a potent and specific EZH2 methyltransferase inhibitor.
7	LDN-214117	TGF-beta/Smad	2.1	LDN-214117 is a potent and selective BMP type I receptor kinase ALK2 inhibitor with IC_{50} of 24 nM.
8	DDR1-IN-1	DDR(receptor tyrosine kinase)	2.1	DDR1-IN-1 is a potent and selective discoidin domain receptor 1 (DDR1) receptor tyrosine kinase inhibitor with IC_{50} of 105 nM, about 3-fold selectivity over DDR2.
9	KC7F2	HIF	2.0	KC7F2 is a selective HIF-1 α transcription inhibitor with IC_{50} of 20 μ M in a cell-based assay.
10	Ruxolitinib (INCB018424)	JAK	2.0	INCB018424 is the first potent, selective, JAK1/2 inhibitor to enter the clinic with IC_{50} of 3.3 nM/2.8 nM, >130-fold selectivity for JAK1/2 versus JAK3. Phase 3.
11	Radotinib	Bcr-Abl	2.0	Radotinib is a selective BCR-ABL1 tyrosine kinase inhibitor with IC_{50} of 34 nM, used to treat Chronic Myeloid Leukemia.
12	EUK 134	Beta Amyloid	2.0	EUK 134, a synthetic superoxide dismutase (SOD)/catalase mimetic, exhibits potent antioxidant activities, and inhibits the formation of β -amyloid and related amyloid fibril.
13	WZ4003	AMPK	1.9	WZ4003 is a highly specific NUAKE kinase inhibitor with IC_{50} of 20 nM and 100 nM for NUAKE1 and NUAKE2, respectively, without significant inhibition on 139 other kinases.
14	LY2119620	AChR	1.9	LY2119620 is a specific, and allosteric agonist of human M2 and M4 muscarinic acetylcholine receptors.
15	Belinostat (PXD101)	HDAC	1.9	Belinostat (PXD101) is a novel HDAC inhibitor with IC_{50} of 27 nM, with activity demonstrated in cisplatin-resistant tumors. Phase 1/2.

16	Fatostatin	Estrogen/progesto gen Receptor	1.9	17-Hydroxyprogesterone (17-OHP) is an endogenous progestogen as well as chemical intermediate in the biosynthesis of other steroid hormones, including the corticosteroids and the androgens and the estrogens.
17	PD 151746	Cysteine Protease	1.9	PD 151746 is a selective, cell-permeable calpain inhibitor with Ki of 0.26 μ M for μ -Calpain, about 20-fold selectivity over m-calpain.
18	MS436	Epigenetic Reader Domain	1.9	MS436 is a selective BET bromodomain inhibitor with K_i of <0.085 μ M and 0.34 μ M for BRD4 (1) and BRD4 (2), respectively.
19	Palbociclib (PD0332991) Isethionate	CDK	1.9	Palbociclib (PD0332991) Isethionate is a highly selective inhibitor of CDK4/6 with IC50 of 11 nM/16 nM in cell-free assays. It shows no activity against CDK1/2/5, EGFR, FGFR, PDGFR, InsR, etc. Phase 3.
20	Deltarasin	PDE	1.9	Deltarasin is a small molecular inhibitor of KRAS-PDE δ interaction with Kd of 38 nM for binding to purified PDE δ .
21	Olmutinib (HM61713, BI 1482694)	EGFR	1.9	Olmutinib is a novel third-generation epidermal growth factor receptor (EGFR) mutation-specific tyrosine kinase inhibitor (TKI). Also a potent inhibitor of Bruton's tyrosine kinase.
22	NQDI-1	Gamma-secretase	1.9	MK-0752 is a moderately potent γ -secretase inhibitor, which reduces A β 40 production with IC50 of 5 nM. Phase 1/2.
23	Entrectinib (RXDX-101)	Trk receptor	1.8	Entrectinib (RXDX-101) is an orally bioavailable pan- TrkA/B/C , ROS1 and ALK inhibitor with IC50 ranging between 0.1 and 1.7 nM. Phase 2.
24	Erlotinib	EGFR	1.8	Erlotinib is an EGFR inhibitor with IC50 of 2 nM, >1000-fold more sensitive for EGFR than human c-Src or v-Abl.
25	LTX-315	Others	1.8	LTX-315 is the oncolytic peptide that kills cancer cells through Bax/Bak-regulated mitochondrial membrane permeabilization.
26	(+)-JQ1	BET	1.8	(+)-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.
27	4-Hydroxyta moxifen	Estrogen/progesto gen Receptor	1.7	4-Hydroxytamoxifen is the active metabolite of tamoxifen and a selective estrogen receptor (ER) modulator that is widely used in the therapeutic and chemopreventive treatment of breast cancer.
28	Ponesimod	S1P Receptor	1.7	Ponesimod(ACT-128800) is an orally active, selective sphingosine-1-phosphate receptor 1 (S1P1) immunomodulator with EC50 of 5.7 nM.
29	Elesclomol (STA-4783)	HSP	1.7	Elesclomol (STA-4783) is a novel potent oxidative stress inducer that elicits pro-apoptosis events among tumor cells.
30	Pimavanseri n	5-HT Receptor	1.7	Pimavanserin is a potent and selective serotonin 5-HT2A inverse agonist with pIC50 of 8.73, used to treat psychosis

				associated with Parkinson's disease.
31	Ozanimod (RPC1063)	S1P Receptor	1.7	Ozanimod (RPC1063) is a selective oral S1P Receptor 1 modulator. Phase 3.
32	ZSTK474	PI3K	1.7	ZSTK474 inhibits class I PI3K isoforms with IC50 of 37 nM, mostly PI3Kδ.
33	Citric acid trilitium salt tetrahydrate	others	1.6	Citric acid trilitium salt tetrahydrate is a pharmaceutical and construction material. It is commonly used in HPLC gradient elution for quantification of amino acids.
34	Dovitinib (TKI258) Lactate	FLT3	1.6	Dovitinib (TKI258) Lactate is the Lactate 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.
35	NSC59984	p53	1.6	NSC59984 is a p53 pathway activator via induction of mutant p53 protein degradation and p73 activation.
36	SL-327	MEK	1.6	SL327 is a selective inhibitor for MEK1/2 with IC50 of 0.18 μM/0.22 μM, no activity towards Erk1, MKK3, MKK4, c-JUN, PKC, PKA, or CamKII; capable of transport through the blood-brain barrier.
37	SB216763	GSK-3	1.6	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.
38	Dasatinib	Src, Bcr-Abl, c-Kit	1.6	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.
39	SB203580	p38 MAPK	1.6	SB203580 is a p38 MAPK inhibitor with IC50 of 0.3-0.5 μM, 10-fold less sensitive to SAPK3(106T) and SAPK4(106T) and blocks PKB phosphorylation with IC50 of 3-5 μM.
40	Quizartinib (AC220)	Flt	1.6	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, PDGFRα, PDGFRβ, RET, and CSF-1R. Phase 1/2.
41	Filgotinib (GLPG0634)	JAK	1.5	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.
42	Cobimetinib (GDC-0973, RG7420)	MEK	1.5	Cobimetinib (GDC-0973, RG7420) is a potent and highly selective MEK1 inhibitor with IC50 of 4.2 nM. Phase 3.
43	Tranexamic Acid	Others	1.5	Tranexamic Acid is an antifibrinolytic for blocking lysine-binding sites of plasmin and elastase-derived plasminogen fragments with IC50 of 5 mM.
44	WZB117	Others	1.5	WZB117 is an inhibitor of Glucose Transporter 1 (GLUT1). It

45	Iniparib (BSI-201)	PARP	1.5	<p>inhibited cell proliferation in lung cancer A549 cells and breast cancer MCF7 cells with an IC50 of approximately 10 μM.</p> <p>BSI-201 (Iniparib, SAR240550) is a PARP1 inhibitor with demonstrated effectiveness in triple-negative breast cancer (TNBC). Phase 3.</p>
46	Lomitapide	others	1.5	<p>Lomitapide is a potent microsomal triglyceride transfer protein (MTP) inhibitor, used in the treatment of familial hypercholesterolemia.</p>
47	Toremifene Citrate	Others	1.5	<p>Toremifene Citrate is an oral selective estrogen receptor modulator (SERM) which helps oppose the actions of estrogen in the body.</p>
48	BS-181 HCl	CDK	1.5	<p>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.</p>
49	L-Ornithine	others	1.5	<p>L-ornithine has an antifatigue effect in increasing the efficiency of energy consumption and promoting the excretion of ammonia. It is one of the key reactants in the urea cycle.</p>
