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Compound Libraries

Top academic journals such as Science, Nature, and Cell have published over 206 articles featuring Selleck Products.

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Institute	Group	Duration	Journal	IF
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UCSF	JR Chan	1y8m	Nature Medicine	**29.89**
Roche Innovation Center Basel	CA Cowan	2y4m	Nature Cell Biology	**20.06**
BC Cancer Agency	S Dedhar	3y	Nature Communications	**12.12**
Baylor College of Medicine	XH Zhang	1y10m	Nature Communications	**12.12**
Lund University	JU Kazi	2y8m	Cancer Letters	**6.34**
University of Wisconsin	X Zhao	1y6m	Stem Cells	**5.6**
Wuhan Institute of Virology	GF Xiao	1y11m	Journal of Virology	**4.66**
University of Bergen	BT Gjertsen	1y7m	Pharmacological Research	**4.48**
University of Nevada	BS Ferguson	1y	Molecular Nutrition & Food Research	**4.48**
Moffitt Cancer Center	E Schönbrunn	3y	ChemMedChem	**3.23**
...				
Average		**2 years**		**12.97**

Q2 Need help with the library?

We provide free technical advice and assistance with experimental design.

Q3 Pressed for time?

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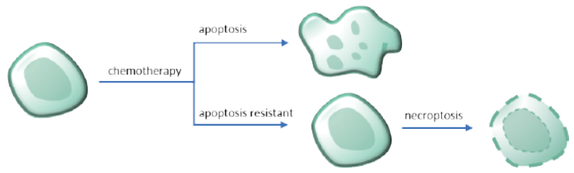
Disease Research Applications of Compound Libraries: Case Study I

Inhibition of Aurora Kinase A Induces Necroptosis in Pancreatic Carcinoma

The author purchased the Selleck's Kinase Inhibitor Library in May of 2015. This article (PMID:28764929) was published in the *Journal of Gastroenterology* (IF= 19.23) in November of 2017.

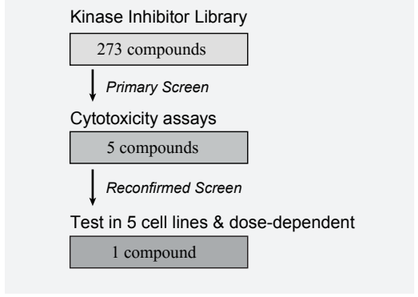
Background: Inducing cell necrosis is a new way to treat pancreatic cancer

The anti-apoptotic mechanism of pancreatic cancer cells themselves makes them difficult to kill. Therefore, a cell death mode, which is independent of the form of apoptosis, cell necrosis has caused widespread concern. The development of drugs that induce tumor cell necrosis has become a new idea for the treatment of pancreatic cancer.

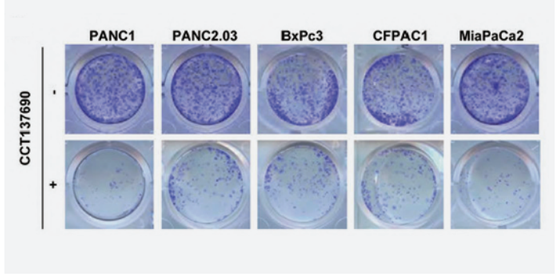


Experiment Design

1. High-throughput drug screening



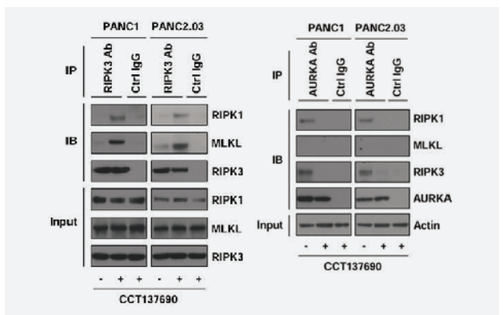
2. Phenotype research



1. Cell morphology study
2. Cloning formation experiment

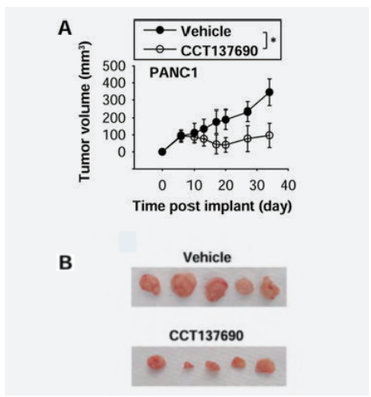
Compound Library: Selleck Kinase Inhibitor Library
Model: Human pancreatic ductal adenocarcinoma cell PANC1
Indicators: Cell viability and cell death assays confirm that CCT137690 kills human pancreatic ductal adenocarcinoma cells

3. Mechanism research



AURKA can bind to the RIPK1/RIPK3 necrotic complex to inhibit necrosis. Tumor cell necrosis is activated after inhibition by CCT137690.

4. *in vivo* efficacy verification



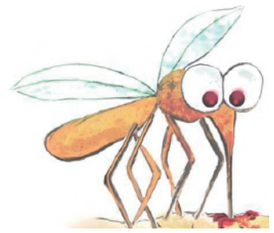
Disease Research Applications of Compound Libraries: Case Study II

Screening of FDA-Approved Drugs for Inhibitors of Japanese Encephalitis Virus Infection

The author purchased the Selleck's FDA-approved Drug Library in September of 2015, and published three articles in four years. The article (PMID:28814523) was published in the *Journal of Virology* (IF:4.324) in August of 2017.

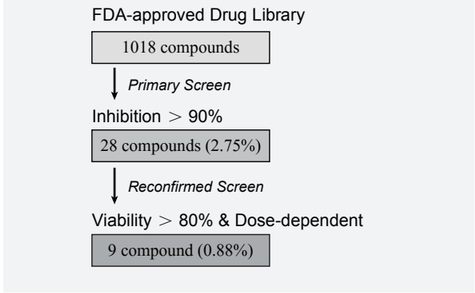
Background: Japanese encephalitis lacks any form of treatment.

Japanese encephalitis is caused by Japanese encephalitis virus (JEV). Except for vaccination, there are still no specific drugs or treatments for JEV.

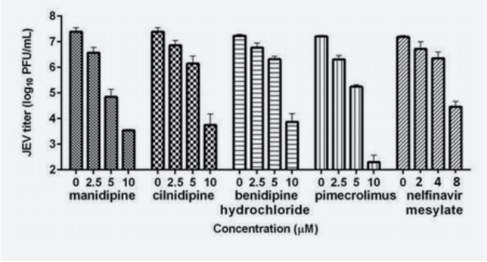


Experiment Design

1. High-throughput drug screening



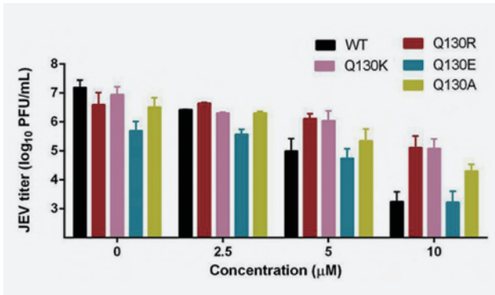
2. Phenotype research



1. Dose-effect relationship verification
2. Time-effect relationship verification
3. Antiviral spectrum study

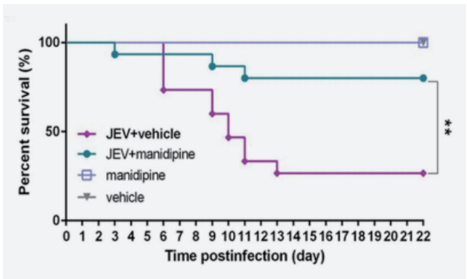
Compound Library: Selleck FDA-approved Drug Library
Model: JEV infectious clone with luciferase reporter
Indicators: inhibition> 90%, viability> 80%, dose–response relationship establishment, five hit drugs were confirmed, of which three were calcium channel inhibitors

3. Mechanism research



1. Using other calcium channel inhibitors can have similar effects
2. Identify the drug's target site for JEV

4. *in vivo* efficacy verification



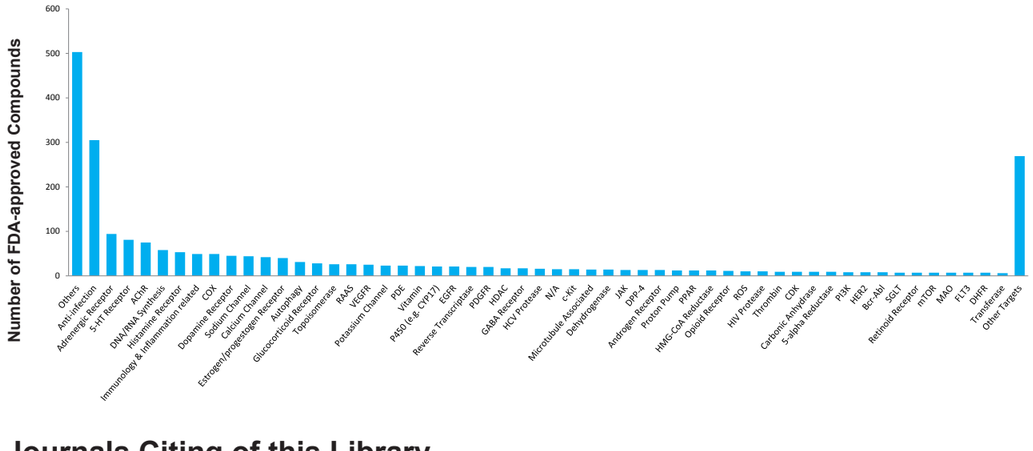
FDA-approved Drug Library Cat.No. L1300

- A unique collection of **2,576** FDA-approved APIs
- Biosafety and effectiveness validated by clinical trials

Size (Pre-dissolved in DMSO or Water)	
100 μL/well	(2 mM or 10 mM solution)

Customize Your Library

Specific Compounds | Quantities | Plate map | Format (Dry/solid or DMSO solution)



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Sci Adv,2019,5(6):eaav9784
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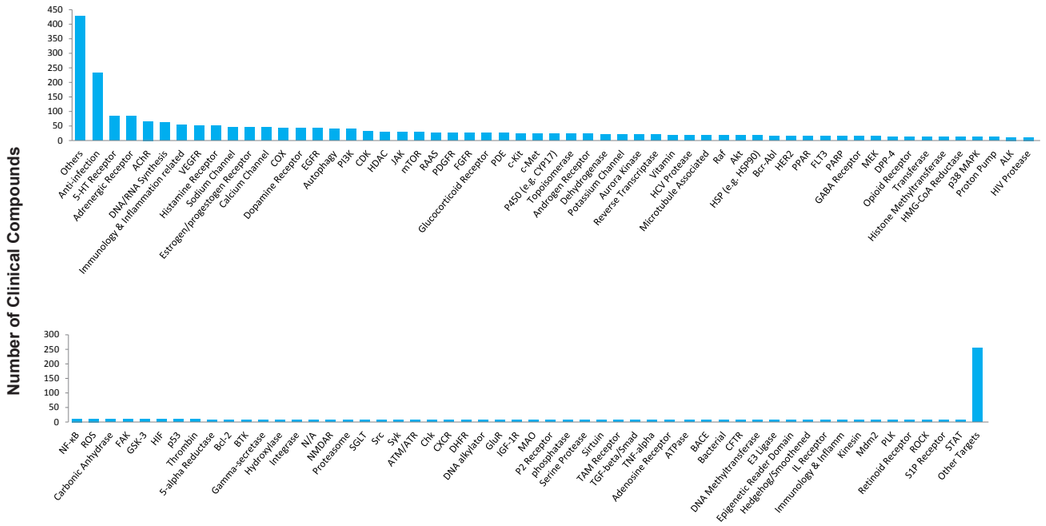
Preclinical and Clinical Compound Library Cat.No. L3900

- A unique collection of **2,578** preclinical and clinical compounds
- Includes drug molecules with preclinical studies, clinical drug molecules, and drugs already on the market

Size (Pre-dissolved in DMSO or Water)	
100 μL/well	(2 mM or 10 mM solution)

Customize Your Library

Specific Compounds | Quantities | Plate map | Format (Dry/solid or DMSO solution)



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Neuropsychopharmacology,2019,10.1038/s41386-018-0266-7
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Cancer Sci,2018,109(4):1220-1229
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J Cell Physiol,2018,233(1):422-433
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Mol Cancer Res,2014,12(5):703-13
Oncotarget,2014,5(15):6512-25
Curr Protoc Chem Biol,2014,4:177-191

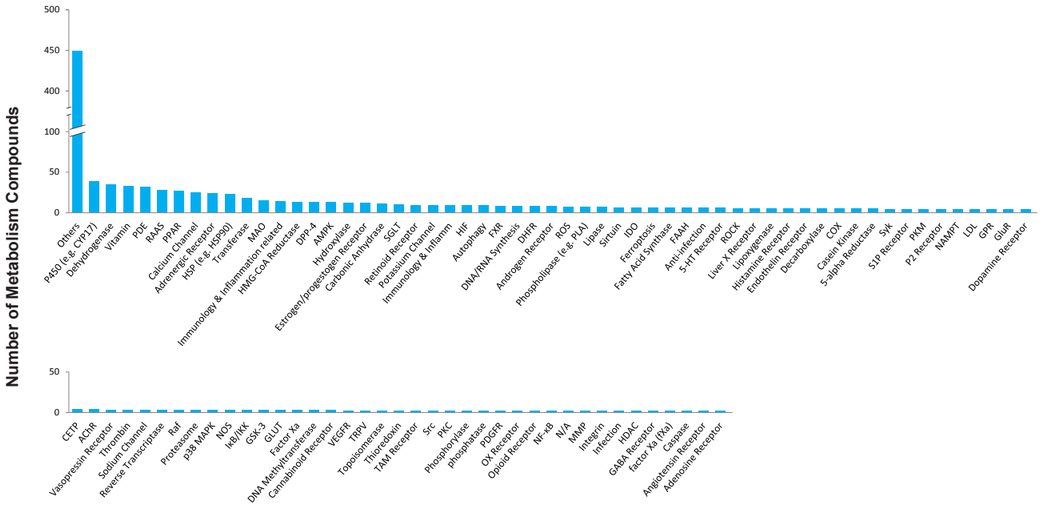
Metabolism Compound Library Cat.No. L3700

- A unique collection of **1,383** metabolically related active compounds, including inhibitors and human endogenous metabolites
- Covers multiple metabolic pathways such as glucose metabolism, lipid metabolism, protein hydrolysis, and nucleotide metabolism
- Covers more than 200 targets such as FXR, DPP-4, glucokinase, HSP, PDE, PPAR, etc.

Size (Pre-dissolved in DMSO or Water)	
100 μL/well	(2 mM or 10 mM solution)

Customize Your Library

Specific Compounds | Quantities | Plate map | Format (Dry/solid or DMSO solution)



Journals Citing of this Library

Sci Adv,2019,5(6):eaav9784
Neuropsychopharmacology,2019,10.1038/s41386-018-0266-7
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Sci Rep,2018,8(1):13106
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Nat Med,2017,23(4):405-408
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PLoS One,2016,11(2):e0149848
Sensors (Basel),2016,16(3)
Clin Cancer Res,2015,21(5):1172-82
Biosens Bioelectron,2015,68:699-704
Mol Cancer Ther,2015,14(5):1213-23
Cell Cycle,2015,14(1):109-22
PLoS One,2015,10(11):e0142655
Oncotarget,2015,6(3):1531-43
Head Neck,2015,37(12):1722-32
Nat Med,2014,20(8):954-60
Mol Cancer Res,2014,12(5):703-13
Oncotarget,2014,5(15):6512-25
Curr Protoc Chem Biol,2014,4:177-191

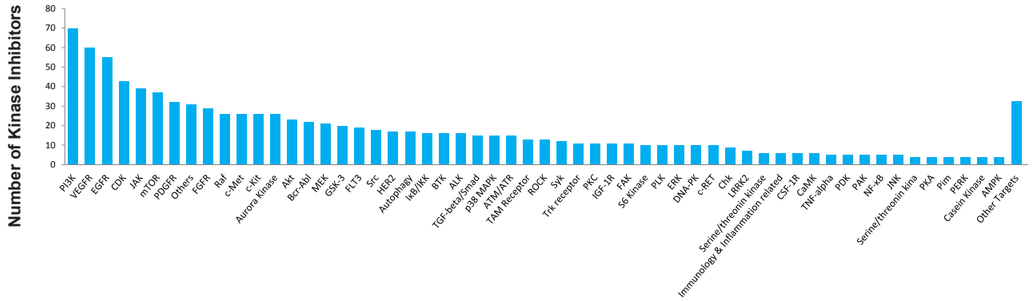
Kinase Inhibitor Library Cat.No. L1200

- A unique collection of **1,188** kinase-related active compounds
- Includes small molecules with biological research, clinical drug molecules, and drugs already on the market
- Targets include EGFR, PI3K, Aurora Kinase, CDK and MEK, etc.

Size (Pre-dissolved in DMSO or Water)	
100 μL/well	(2 mM or 10 mM solution)

Customize Your Library

Specific Compounds | Quantities | Plate map | Format (Dry/solid or DMSO solution)



Journals Citing of this Library

Nat Commun,2019,10(1):2197
Sci Adv,2019,5(6):eaav9784
NPJ Genom Med,2019,4:7
Neuropsychopharmacology,2019,10.1038/s41386-018-0266-7
J Exp Clin Cancer Res,2019,38(1):56
Breast Cancer Res,2019,21(1):37
Development,2019,146(14)
Neurobiol Aging,2019,76:24-34
Anal Biochem,2019,569:46-52
Bioengineered,2019,10(1):98-107
Kaohsiung J Med Sci,2019,10.1002/kjm2.12051
Methods Mol Biol,2019,1888:115-126
Methods Mol Biol,2019,1888:21-43
Cell Rep,2018,22(5):1185-1199
Mol Cancer Ther,2018,10.1158/1535-7163.MCT-18-0179
Stem Cell Res Ther,2018,9(1):319
Cancer Sci,2018,109(4):1220-1229
Antimicrob Agents Chemother,2018,10.1128/AAC.01744-18
Hum Gene Ther,2018,29(8):886-901
Sci Rep,2018,8(1):13106
J Cell Physiol,2018,233(1):422-433
Cell Stress,2018,10.15698/cst2018.04.131
FEBS Open Bio,2018,9(1):82-91
Antiviral Res,2018,158:226-237
Nat Med,2017,23(4):405-408
Gastroenterology,2017,153(5):1429-1443
Nat Commun,2017,8:15289
Cell Rep,2017,21(9):2639-2646
Cancer Lett,2017,405:73-78
Anal Chem,2017,89(12):6678-6685
J Mol Biol,2017,429(13):2042-2045
Biochim Biophys Acta,2017,1861(4):947-957
Antimicrob Agents Chemother,2017,62(1)
J Biol Chem,2017,292(41):17037-17045
Front Plant Sci,2017, 10.3389/fpls.2017.00852.
ChemMedChem,2017,12(22):1857-1865
Biochem Biophys Res Commun,2017,493(1):58-63
J Mol Cell Cardiol,2016,97:106-13
Pharmacol Res,2016,113(Pt A):216-227
ChemMedChem,2016,11(11):1137-44
ChemMedChem,2016,10.1002/cmdc
Bioorg Med Chem,2016,24(19):4647-51
PLoS One,2016,11(2):e0149848
Sensors (Basel),2016,16(3)
Clin Cancer Res,2015,21(5):1172-82
Biosens Bioelectron,2015,68:699-704
J Control Release,2015,204:20-9
Oncogene,2015,34(32):4199-210
Mol Cancer Ther,2015,14(5):1213-23
Breast Cancer Res Treat,2015,149(3):715-26
Cell Cycle,2015,14(1):109-22
BMC Cancer,2015,15:239
PLoS One,2015,10(11):e0142655
Head Neck,2015,37(12):1722-32
Oncotarget,2015,6(3):1531-43
Nat Med,2014,20(8):954-60
Mol Cancer Ther,2014,13(2):353-63
Mol Cancer Res,2014,12(5):703-13
ACS Chem Biol,2014,9(5):1160-71
PLoS One,2014,9(7):e102741
Mol Med Rep,2014,10(6):3348-56
Oncotarget,2014,5(15):6512-25
Curr Protoc Chem Biol,2014,4:177-191
PLoS One,2013,8(5):e63240
PLoS One,2013,8(4):e60334

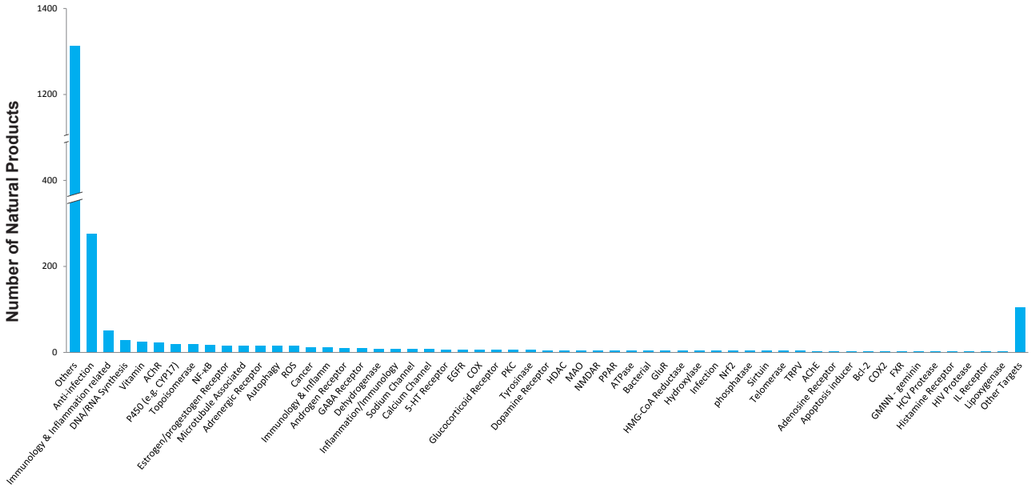
Natural Product Library Cat.No. L1400

- A unique collection of **2,116** natural products
- Small toxic side effects, easy to absorb
- Pharmacological activity and medicinal value reported

Size (Pre-dissolved in DMSO or Water)
100 μL/well (2 mM or 10 mM solution)

Customize Your Library

Specific Compounds | Quantities | Plate map | Format (Dry/solid or DMSO solution)



Journals Citing of this Library

Sci Adv,2019,5(6):eaav9784
Cell Rep,2019,26(6):1544-1556
Neuropsychopharmacology,2019,10.1038/s41386-018-0266-7
Cancer Lett,2019,459:50-58
Protein Cell,2019,10(6):417-435
Breast Cancer Res,2019,21(1):37
Oncogenesis,2019,8(3):14
Neurobiol Aging,2019,76:24-34
Sci China Life Sci,2019,10.1007/s11427-018-9477-3
Bioengineered,2019,10(1):98-107
Kaohsiung J Med Sci,2019,10.1002/kjm2.12051
bioRxiv,2019,10.1101/517086
Cell Rep,2018,22(5):1185-1199
Mol Neurobiol,2018,10.1007/s12035-018-0953-8
Cancer Sci,2018,109(4):1220-1229
Antiviral Res,2018,S0166-3542(18)30404-2
Sci Rep,2018,8(1):13106
Int J Biol Sci,2018,10.7150/ijbs
Int J Biol Sci,2018,14(11):1521-1534
J Biol Chem,2018,10.1074/jbc.RA118.006986
J Cell Physiol,2018,233(1):422-433
Int J Biol Macromol,2018,116:173-181
Sci Rep,2018,8(1):14178
Nat Med,2017,23(4):405-408
Anal Chem,2017,89(12):6678-6685
Mol Nutr Food Res,2017,61(4)
Antimicrob Agents Chemother,2017,e01674-17
PeerJ,2017,5:e3283
Pharmacol Res,2016,113(Pt A):216-227
PLoS One,2016,11(2):e0149848
Biochem Biophys Res Commun,2016,473(4):775-80
Sensors (Basel),2016,16(3)
Cytotechnology,2016,68(4):1633-40
Clin Cancer Res,2015,21(5):1172-82
Biosens Bioelectron,2015,68:699-704
Mol Cancer Ther,2015,14(5):1213-23
PLoS Negl Trop Dis,2015,9(6):e0003878
Cell Cycle,2015,14(1):109-22
PLoS One,2015,10(11):e0142655
Oncotarget,2015,6(3):1531-43
Head Neck,2015,37(12):1722-32
Nat Med,2014,20(8):954-60
Mol Cancer Res,2014,12(5):703-13
Oncotarget,2014,5(15):6512-25
Curr Protoc Chem Biol,2014,4:177-191

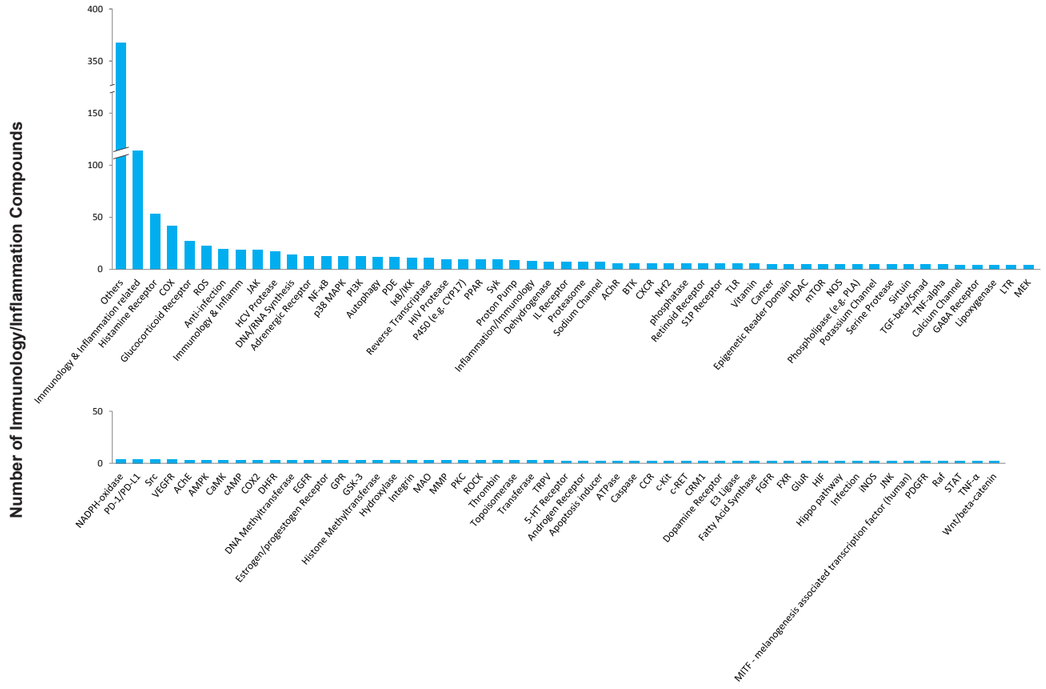
Immunology/Inflammation Compound Library Cat.No. L4100

- A unique collection of **1,091** active compounds associated with immune inflammation
- Includes molecules with biological research, clinical drug molecules, and drugs already on the market
- Targets include COX, Nrf2, CXCR, ROS, TLR, p38 MAPK, NOS, etc.

Size (Pre-dissolved in DMSO or Water)
100 μL/well (2 mM or 10 mM solution)

Customize Your Library

Specific Compounds | Quantities | Plate map | Format (Dry/solid or DMSO solution)



Journals Citing of this Library

Sci Adv,2019,5(6):eaav9784
Neuropsychopharmacology,2019,10.1038/s41386-018-0266-7
Breast Cancer Res,2019,21(1):37
Neurobiol Aging,2019,76:24-34
Bioengineered,2019,10(1):98-107
Kaohsiung J Med Sci,2019,10.1002/kjm2.12051
Cell Rep,2018,22(5):1185-1199
Cancer Sci,2018,109(4):1220-1229
Sci Rep,2018,8(1):13106
J Cell Physiol,2018,233(1):422-433
Anal Chem,2017,89(12):6678-6685
Antimicrob Agents Chemother,2017,62(1)
Pharmacol Res,2016,113(Pt A):216-227
PLoS One,2016,11(2):e0149848
Sensors (Basel),2016,16(3)
Clin Cancer Res,2015,21(5):1172-82
Biosens Bioelectron,2015,68:699-704
Mol Cancer Ther,2015,14(5):1213-23
Cell Cycle,2015,14(1):109-22
PLoS One,2015,10(11):e0142655
Oncotarget,2015,6(3):1531-43
Head Neck,2015,37(12):1722-32
Nat Med,2014,20(8):954-60
Mol Cancer Res,2014,12(5):703-13
Oncotarget,2014,5(15):6512-25
Curr Protoc Chem Biol,2014,4:177-191

Bioactive Compound Library- Ⅰ Cat.No. L1700

- A unique collection of **6,734** bioactive compounds
- Includes molecules with biological research, drug molecules in the clinical phase, and drugs already on the market
- Clear activity and comprehensive information, a powerful tool for basic mechanism research

Size (Pre-dissolved in DMSO or Water)	
100 μL/well	(2 mM or 10 mM solution)

Customize Your Library

Specific Compounds | Quantities | Plate map | Format (Dry/solid or DMSO solution)

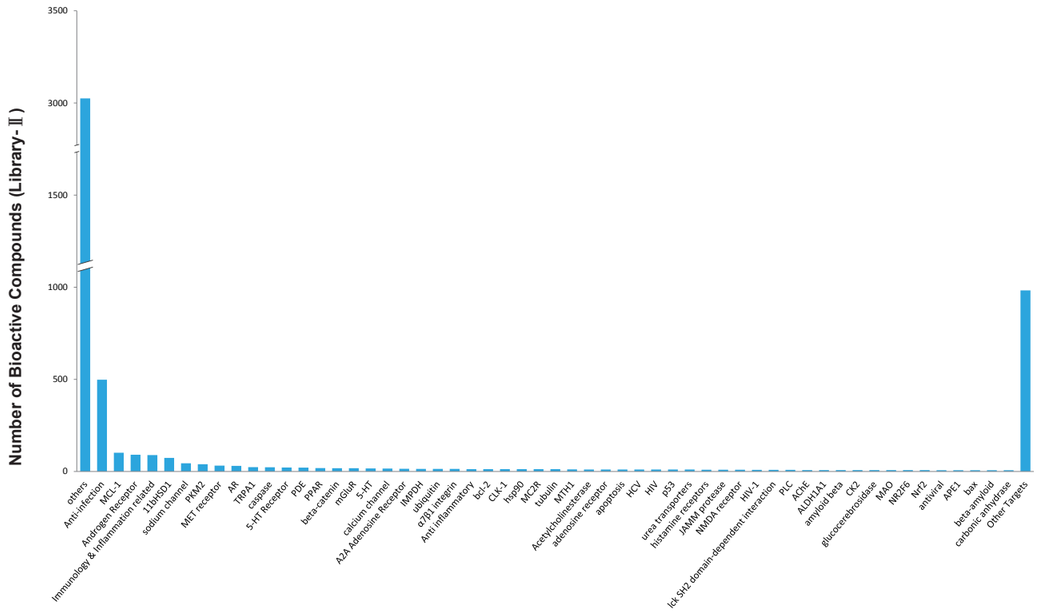
Journals Citing of this Library

Sci Adv,2019,5(6):eaav9784
Neuropsychopharmacology,2019,10.1038/s41386-018-0266-7
Breast Cancer Res,2019,21(1):37
Neurobiol Aging,2019,76:24-34
RSC Adv,2019,1696-1704
Vet Parasitol,2019,265:15-18
Bioengineered,2019,10(1):98-107
Kaohsiung J Med Sci,2019,10.1002/kjm2.12051
Cell Rep,2018,22(5):1185-1199
Cell Chem Biol,2018,25(2):175-184
Cancer Sci,2018,109(4):1220-1229
Sci Rep,2018,8(1):13106
J Cell Physiol,2018,233(1):422-433
Invest New Drugs,2018,36(4):590-600
Mol Immunol,2018,101:86-91
Trends Microbiol,2018,10.1016/j.tim.2018.04.004
Nat Med,2017,23(4):405-408
Anal Chem,2017,89(12):6678-6685
Dis Model Mech,2017,10(9):1155-1164
Antimicrob Agents Chemother,2017,62(1)
Transl Oncol,2017,10(4):546-554
Pharmacol Res,2016,113(Pt A):216-227
PLoS One,2016,11(2):e0149848
Sensors (Basel),2016,16(3)
Sci Rep,2016,6:33427
Clin Cancer Res,2015,21(5):1172-82
Biosens Bioelectron,2015,68:699-704
Mol Cancer Ther,2015,14(5):1213-23
Cell Cycle,2015,14(1):109-22
PLoS One,2015,10(11):e0142655
J Biomol Screen,2015,20(9):1171-7
Oncotarget,2015,6(3):1531-43
Head Neck,2015,37(12):1722-32
Nat Med,2014,20(8):954-60
Mol Cancer Res,2014,12(5):703-13
Oncotarget,2014,5(15):6512-25
Curr Protoc Chem Biol,2014,4:177-191

Bioactive Compound Library- Ⅱ (Provided by Pfizer) Cat.No. L1700-Ⅱ

- A unique collection of **5,309** biologically active compounds
- Compounds from Pfizer
- The target is rich and different from the L1700. It has a variety of structures and good membrane permeability.

Size (Pre-dissolved in DMSO)	
30 μL/well	(10 mM solution)



Journals Citing of this Library

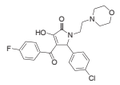
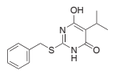
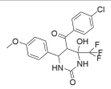
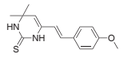
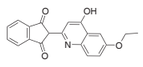
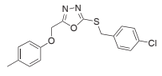
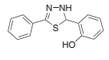
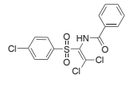
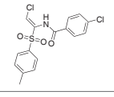
Sci Adv,2019,5(6):eaav9784
Neuropsychopharmacology,2019,10.1038/s41386-018-0266-7
Breast Cancer Res,2019,21(1):37
Neurobiol Aging,2019,76:24-34
Bioengineered,2019,10(1):98-107
Kaohsiung J Med Sci,2019,10.1002/kjm2.12051
Cell Rep,2018,22(5):1185-1199
Cancer Sci,2018,109(4):1220-1229
Sci Rep,2018,8(1):13106
J Cell Physiol,2018,233(1):422-433
Anal Chem,2017,89(12):6678-6685
Antimicrob Agents Chemother,2017,62(1)
Pharmacol Res,2016,113(Pt A):216-227
PLoS One,2016,11(2):e0149848
Sensors (Basel),2016,16(3)
Clin Cancer Res,2015,21(5):1172-82
Biosens Bioelectron,2015,68:699-704
Mol Cancer Ther,2015,14(5):1213-23
Cell Cycle,2015,14(1):109-22
PLoS One,2015,10(11):e0142655
Oncotarget,2015,6(3):1531-43
Head Neck,2015,37(12):1722-32
Nat Med,2014,20(8):954-60
Mol Cancer Res,2014,12(5):703-13
Oncotarget,2014,5(15):6512-25
Curr Protoc Chem Biol,2014,4:177-191

Express-Pick Library (Provided by Pfizer) Cat.No. L3600

- **4,208** innovative compounds of different parent core structures
- Compounds from Pfizer
- Diverse structures and pharmacophores increase effective binding to biological targets

Size (Pre-dissolved in DMSO)	
100 μL/well	(10 mM solution)

Express-Pick Library Composition

Structure	Name	ID	Formula	Molecular Weight
	WAY-216050	1	$C_{23}H_{22}ClFN_2O_4$	444.8831832
	WAY-312414	2	$C_{14}H_{16}N_2O_2S$	276.35404
	WAY-217028	3	$C_{19}H_{16}ClF_3N_2O_4$	428.7895496
	WAY-312092	4	$C_{15}H_{18}N_2OS$	274.38122
	WAY-312398	5	$C_{20}H_{15}NO_4$	333.3374
	WAY-311274	6	$C_{17}H_{15}ClN_2O_2S$	346.8312
	GI-523285	7	$C_{14}H_{12}N_2OS$	256.32288
	WAY-312818	8	$C_{15}H_{10}Cl_3NO_3S$	390.6688
	WAY-312684	9	$C_{16}H_{13}Cl_2NO_3S$	370.25032
...				

Other Compound Libraries

HTS Library for Drug Discovery (Provided by Pfizer) Cat.NO. L5000
Contains a unique collection of **99,040** innovative and diverse compounds

Human Endogenous Metabolite Compound Library Cat.No. L4500
A unique collection of small molecules of **408** endogenous metabolites

Drug Repurposing Library Cat.No. L3800
2,833 drug collections that have been marketed or have passed clinical phase I

Fragment Library Cat.No. L1600
A unique collection of **1,015** fragments of small molecules

Angiogenesis Related compound Library Cat.No. L5200
A unique collection of **113** bioactive compounds associated with angiogenesis

Anti-cancer Compound Library Cat.No. L3000
A unique collection of **1,966** anti-tumor compounds in clinical trials

Cambridge Cancer Compound Library Cat.No. L2300
A unique collection of **247** high value-added anticancer compounds

Anti-cancer Metabolism Compound Library Cat.No. L5700
A unique collection of **198** bioactive compounds for cancer metabolism research

Small Molecule Immuno-Oncology Compound Library Cat.No. L4800
A unique collection of **92** tumor immune small molecules

Cell Cycle compound library Cat.No. L5100
A unique collection of **121** bioactive compounds associated with the cell cycle

DNA Damage/DNA Repair compound Library Cat.No. L4600
179 unique collections of bioactive compounds for DNA damage and repair studies

Antibiotics compound Library Cat.No. L5300
A unique collection of **308** antibiotics

Anti-infection Compound Library Cat.No. L3100
A unique collection of **938** compounds with anti-infective activity

Anti-alzheimer's Disease Compound Library Cat.No. L5900
490 unique collections of active compounds for studying Alzheimer's disease

Anti-diabetic Compound Library Cat.No. L2900
A unique collection of **155** bioactive compounds associated with the development of diabetes

Inhibitor Library Cat.No. L1100
A unique collection of **2,790** latest inhibitors

Highly Selective Inhibitor Library Cat.No. L3500
A unique collection of **320** highly selective small molecule inhibitors

Covalent Inhibitor Library Cat.No. L5800
A unique collection of **81** covalent inhibitors

Other Compound Libraries

Tyrosine Kinase Inhibitor Library Cat.No. L1800
A unique collection of **395** active compounds associated with tyrosine kinases

Protease Inhibitor Library Cat.No. L2500
a unique collection of **229** protease-related bioactive compounds

Epigenetics Compound Library Cat.No. L1900
A unique collection of **464** bioactive compounds associated with epigenetic research

Histone modification compound library Cat.No. L4900
A unique collection of **112** bioactive compounds associated with histone modifications

Ubiquitination Compound Library Cat.No. L6000
a unique collection of **153** bioactive compounds associated with ubiquitination

Stem Cell Signaling Compound Library Cat.No. L2100
A unique collection of **297** bioactive compounds associated with stem cell signaling pathways

Autophagy Compound Library Cat.No. L2600
A unique collection of **830** bioactive compounds associated with autophagy signaling pathways

Apoptosis Compound Library Cat.No. L3300
A unique collection of **700** biologically active compounds that target apoptotic proteins such as Bcl-2, Caspase, p53, TNF-alpha, Mdm2 or survivin

Neuronal Signaling Compound Library Cat.No. L4000
1,111 unique collection of biologically active compounds associated with neural signaling pathways

CNS-Penetrant Compound Library Cat.No. L4700
A unique collection of **307** bioactive compounds that cross the blood-brain barrier

Ion Channel Ligand Library Cat.No. L2700
A unique collection of **232** bioactive compounds associated with ion channel ligands

PI3K/Akt Inhibitor Library Cat.No. L2800
A unique collection of **174** biologically active compounds associated with the PI3K signaling pathway

MAPK Inhibitor Library Cat.No. L3400
A unique collection of **95** biologically active compounds associated with the MAPK signaling pathway

GPCR Compound Library Cat.No. L2200
A unique collection of **746** bioactive compounds associated with GPCRs

JAK/STAT compound library Cat.No. L5400
A unique collection of **51** biologically active compounds associated with the JAK-STAT signaling pathway

NF-κB Signaling Compound Library Cat.No. L5500
A unique collection of **41** biologically active compounds associated with the NF-κB signaling pathway

TGF-beta/Smad compound library Cat.No. L5600
A unique collection of **61** bioactive compounds associated with the TGF-β/Smad signaling pathway

※ Please visit www.selleckchem.com to inquire prices of other compound libraries.

Molecular Library Global Partners

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NIH National Institutes of Health Turning Discovery Into Health
Calendar of Events

FAQ

Q1 Are there patent issues after a successful screening?

The compounds do not have any patent issues. When we “discover a hit”, it refers to a novel discovery for a new indication of the drug. In fact, drug repurposing is a very popular research area: Gefitinib, for example, was approved by the FDA for treatment of NSCLC (non-small cell lung cancer) but is now involved in over 400+ clinical trials involving several types of cancers as well as many other diseases. This includes lung cancer, head and neck cancer, salivary gland cancer, esophageal cancer, breast cancer, kidney cancer, ovarian cancer, colon cancer, and many other diseases. R&D can certainly apply for a patent, but it is not a concern for Selleck nor the original drug company for matters of re-purposing and publication.

Q2 How long does it take, using Selleck Libraries, to publish an article and what kind of article?

According to Research Journals, it takes an average of 2 years to publish an article while the impact factor ranges from 3 to 39.

Q3 Interested in a Selleck Library, but don’t have the time or energy for experiments?

Selleck provides free user training through lectures, technical support and other ways to help. For those without time, we can provide references to our network of technical service providers.

Q4 Why do some Selleck Libraries contain fewer compounds than other companies?

Selleck libraries neither contain any controlled products or other unrelated products nor do we add both salt and non-salt versions in the same library collection. We only consider effective molecules: Selleck libraries contain more compounds, which are updated every three months and are the best choice.