TargetMol

A Drug Screening Expert

COMPOUND LIBRARIES 2018

Target Molecule Corp.
A Drug Screening Expert
(Inhibitors, Libraries, Natural Compounds)

www.targetmol.com

About us

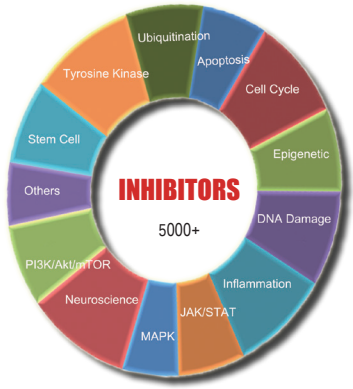
Target Molecule Corp. (TargetMol) is a global high-tech enterprise, specializing in chemical and biological research products and service to meet the research needs of global customers. With the help of fast and efficient global supply chain, professional and rigorous procurement process and timely dynamic news of products, you will save more time with less cost and lead in drug discovery and screening.

Our Product Portfolio

Inhibitor

Targetmol supplies over 5000 compounds used in the study of cell signaling pathways and drug discovery.Track the latest scientific research and promptly offer the newest and most popular inhibitors.

- 100~200 new inhibitors per month.
- NMR and HPLC validated to ensure high purity.
- All compounds are in stock.



Targets include:

JAK	p38 MAPK	AMPK	Aurora Kinase	Syk	PERK
PDK-1	DNA-PK	GSK-3	ALK	Bcr-Abl	Aurora Kinase
MEK	JNK	ERK	ROCK	PLK	Histone Demethylase
CDK	LRRK	ATPase	Raf	Rho	EpigeneticReader domain
HDAC	Pim	EGFR	MAO	HAT	DNA Methyltransferase
ATM/ATR	HIF	FLT3	STAT	p53	DNA Demethylase
PARP	Sirt	CDK	PKC	Bcl-2	Histone Methyltransferase
Src	FAK	BTK	IAP	Wnt/beta-catenin	Hedgehog/Smoothened

more·····

Compound Libraries

Targetmol provides **60** types of compound libraries. They are available for **cell induction, signaling pathway and HTS**. Compound libraries are useful professional tools for drug discovery and new indication research. Customers can customize individual libraries by selecting specific molecules, quantities, concentrations, and format.

Hot libraries:

- Approved Drug Library(1818 compounds)
- Inhibitor Library(3010 compounds)
- Natural Compound Library(1500 compounds)
- CADD Target Library(1.5 million)
- Clinical Compound Library(856 compounds)
- Anti-cancer compound library(2723 compounds)
- Bioactive Compound Library(4413 compounds)
- Bioactive Lipid Inbibitor Library(213 compounds)
- Stem cell Differentiation Compound Library(340 compounds)
- Apoptosis Compound Library(191 compounds)
- Polyphenolic Natural compound Library(367 compounds)
- Epigenetics Compound Library(305 compounds)
- PI3K/Akt/mTOR Compound Library(190 compounds)
- MAPK Inhibitor Library(140 compounds)
- GPCR Compound Library(711 compounds)
- Kinase Inhibitors Library(773 compounds)
- Antibotics Library(250 compounds)
- HTS Library(5 million)
- Anti-virus Compound Library(157 compounds)
- Anti-infection Compound library(605 compounds)
- Anti-diabetic Compound Library(179 compounds)
- Tyrosine Kinase Inhibitors Library(339 compounds)
- Ion Channel Inhibitor Library(362 compounds)
- Endocrinology-Hormones Library(297 compounds)
- Human Endocrine Metabolism Compound Library(138 compounds)
- Neuronal Signaling Compound Library(840 compounds)
- Adrenergic Receptor Library(117 compounds)
- Serotonin Compound Library(134 compounds)
- Oxidation-Reduction Compound Library(118 compounds)
- Hematopoietic Toxicity Compound Library(104 compounds)
- Autophagy Compound Library(623 compounds)
- Histamine & melatonin Library(99 compounds)
- FDA-approved Library(1124 compounds)
- DNA Damage & Repair Compound Library(475 compounds)

more·····

Customize your library

You can select compounds, quantities, format (dry/solid or DMSO), plate map, and concentration to meet your specific requirement.

Please contact us at info@targetmol.com to customize your library.

Contents

Approved Drug Library

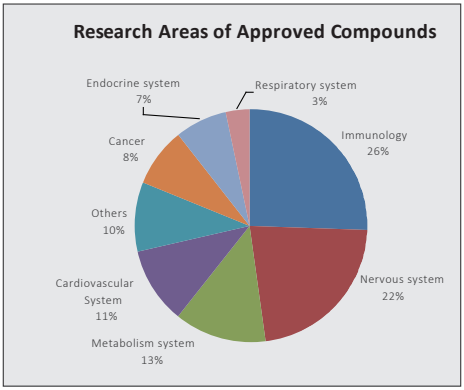
1,818 approved drugs, for use in discovering alternate functions and new target mechanisms, as well as being suitable for research into known functions, and positive compound comparison. Each drug has pharmacological activity, sources and references for **high-throughput screening** and **high-content screening**.

Description

A unique collection of **1,818** approved drugs for **high throughput screening (HTS)** and **high-content screening (HCS)**.

- All compounds are approved by the **FDA**, **CFDA**, or **EMEA**, with known pharmacology and toxicology information.
- An effective tool for drug screening and to identify new targets for previously discovered drugs.
- Compounds have applications in a wide range of fields, including **oncology**, **cardiology**, **immunology**, **endocrinology**, etc.
- Detailed compound information, including structure, target, activity, IC50 value, and brief introduction.
- Structurally diverse, medicinally active, and cell permeable.
- NMR- and HPLC-validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	1818
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



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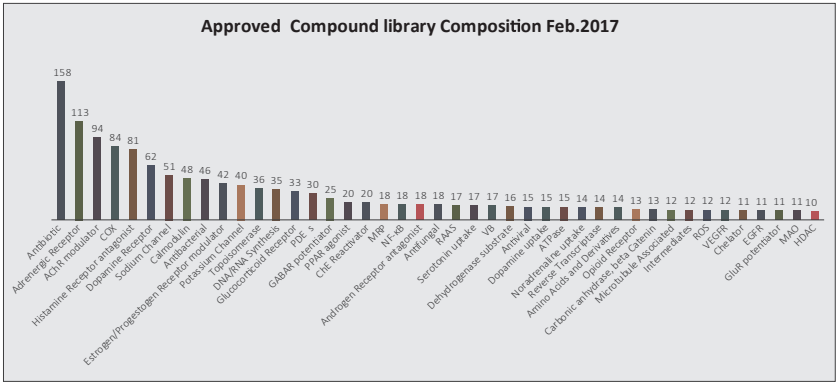


Inhibitor Library

Cat.No. L2000

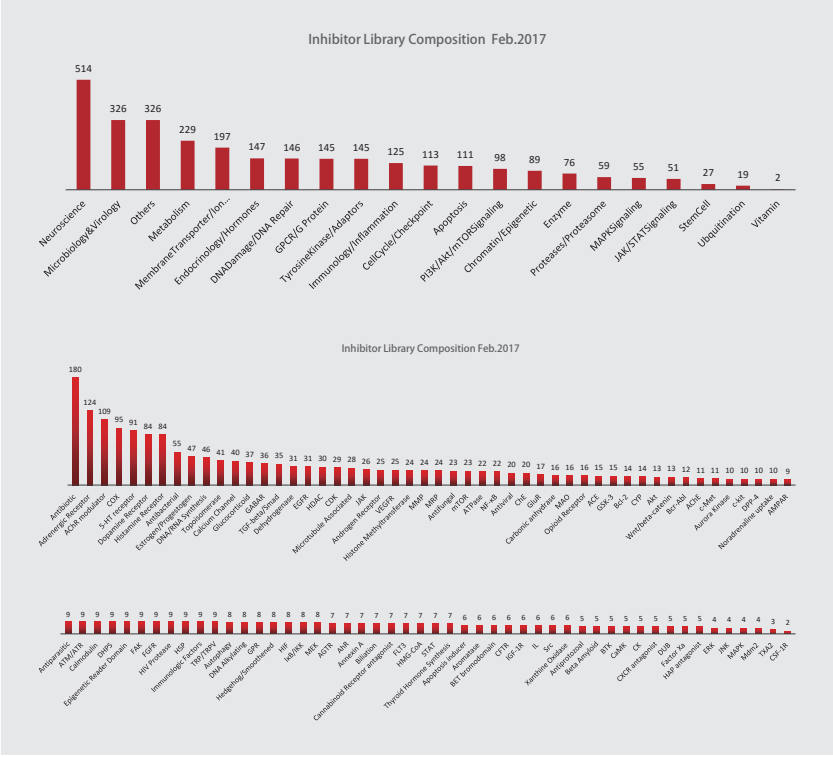
The inhibitors library contains over **3,010** active compounds with a diversity of structures. Most products have reported biological and pharmacological activity, which can be used in specific research, high-throughput screening, and high-content screening.

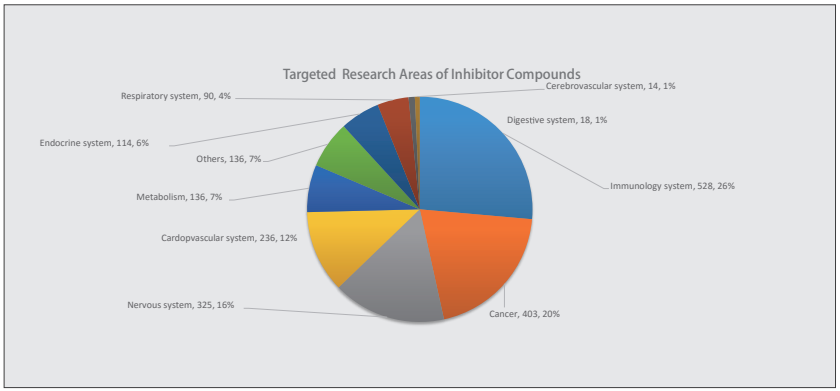
Description

- A unique collection of over **3,010** small molecule inhibitors for **HTS** and **HCS**.
- Compound bioactivity and safety have been validated by preclinical research and clinical trials.
- Some of the inhibitors have approval by the FDA.
- Targets include: **MAPK**, **PI3K**, and **JAK/STAT signaling pathways**, **HDAC**, **Aurora kinases**, **CDK** and **cell cycle regulatory proteins**, **integrase/protease**.
- An effective tool for drug screening and to identify new targets for previously discovered drugs.
- Detailed compound information, including structure, target, activity, IC50 value, and brief introduction.
- Structurally diverse, medicinally active, and cell permeable.
- NMR- and HPLC-validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	3010
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	

Customize Your Library





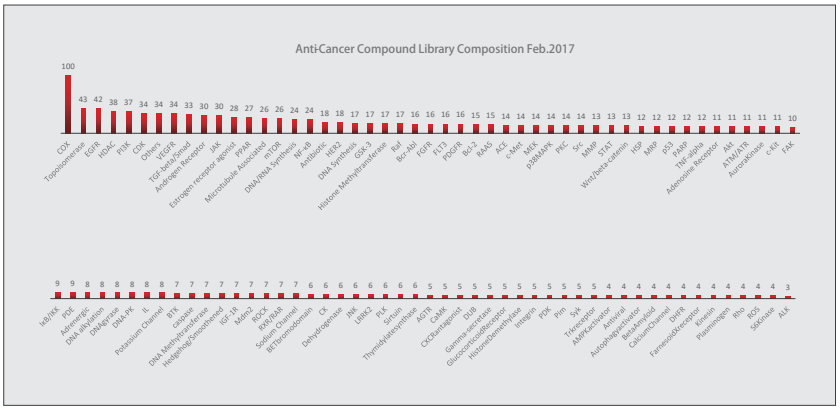
Anti-cancer Compound Library

A unique collection of **2,723** compounds for use in cancer-related research and for **high-throughput screening** and **high-content screening**.

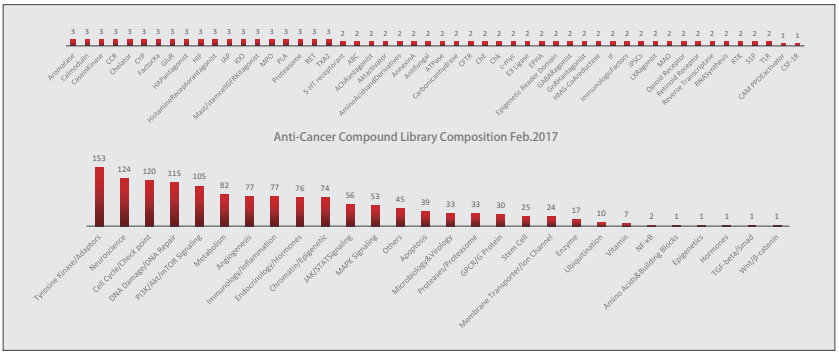
Description

- A unique collection of **2,723** anti-cancer compounds for **HTS** and **HCS**.
- Compound biological activity and safety have been verified through preliminary clinical studies and clinical trials.
- Effective tools for research into the mechanisms of carcinogenesis, and for anti-tumor drug screening.
- Targets include **PI3K**, **HDAC**, **mTOR**, **CDK**, **Aurora kinase**, **JAK**, etc.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	2723
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library



Bioactive Compound Library

Cat.No. L4000

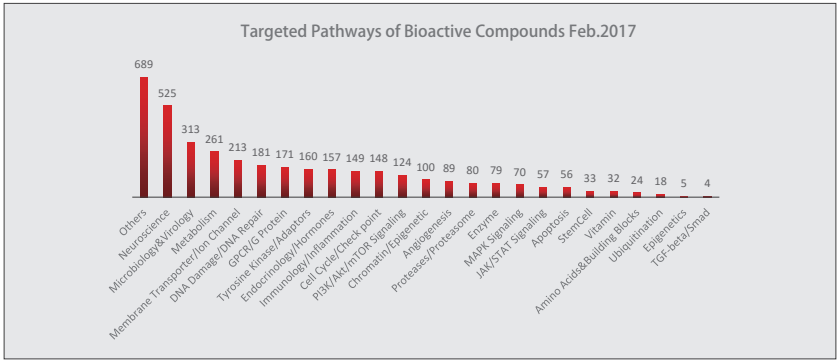
The bioactive compound library contains **more than 4,413** small molecule compounds, paying close attention to their targets. Each compound has a target description, which is key to drug screening.

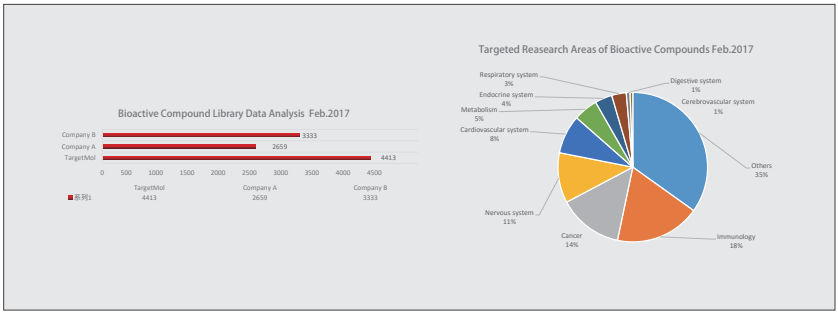
Description

- A unique collection of **4,413** bioactive compounds with known targets for **high throughput screening (HTS)** and **high content screening (HCS)**;
- All compounds have clarified target and corresponding target description;
- An effective tool for drug screening and discovering new with old drugs;
- Covers various areas, such as **GPCR/G protein**, **Neuroscience**, **Membrane Transporter/Ion Channel**, **Microbiology & Virology**, **Immunology/Inflammation**, **Tyrosine Kinase/Adaptors**, etc;
- More detailed compound information with structure, target, activity, IC50 value, and brief introduction;
- Structurally diverse, medicinally active, and cell permeable;
- NMR and HPLC validated to ensure high purity and quality;
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	4413
100 μL/well (10mM solution)	
250 μL/well (10mM solution)	

Customize Your Library





Natural Compound Library

Cat.No. L6000

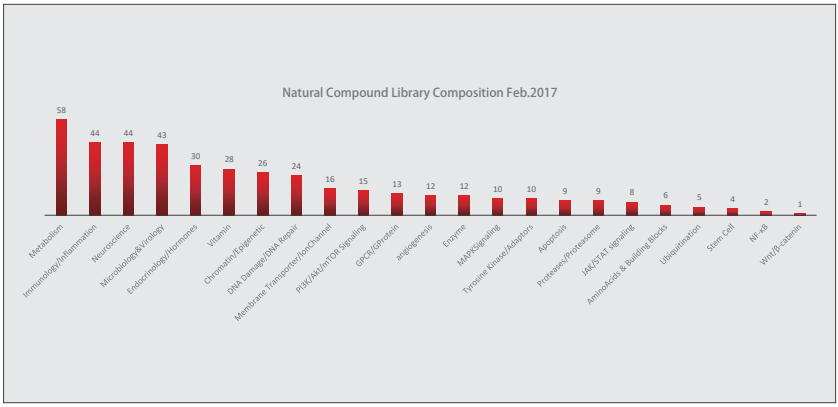
The library contains **more than 1500** compounds, derived from the nature of biological separation, and extraction of organic compounds in the body. Literature reports have demonstrated pharmacological activity and medicinal value of the compounds, but the specific target mechanisms are still unclear. These compounds are likely to be very important tools for drug screening and research.

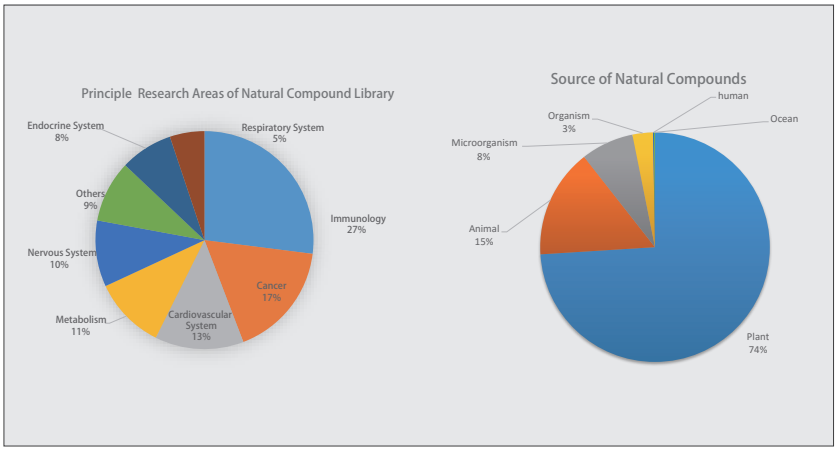
Description

- **More than 1500** natural compounds, to be used for **HTS** and **HCS**.
- Detailed compound information, including structure, target, activity, IC50 value, and brief introduction.
- Structurally diverse, medicinally active, and cell permeable.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Customize Your Library

Size	Compounds
1mg/well (powder)	1500
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	





Customize Your Library

FDA-approved Drug Library

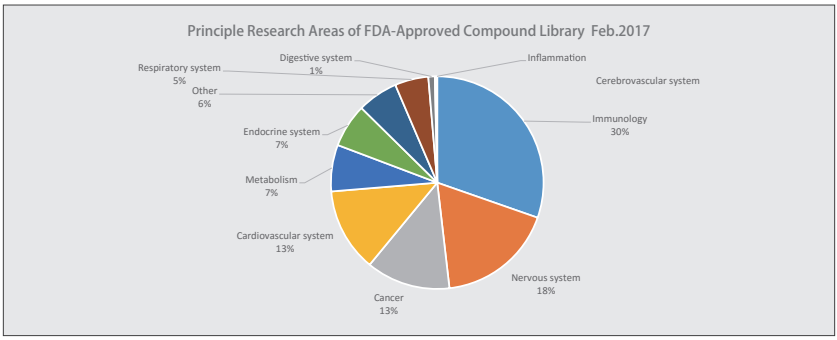
Cat.No. L4200

1,124 FDA-approved drugs are used to discover their more function, suitable for old drug research, new targets mechanism and positive compound comparison and so on.

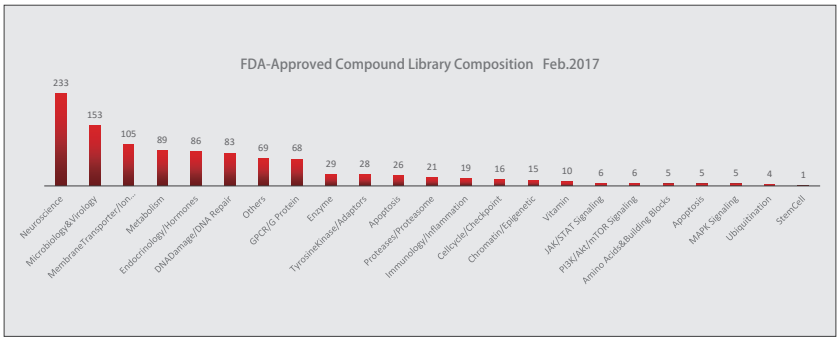
Description

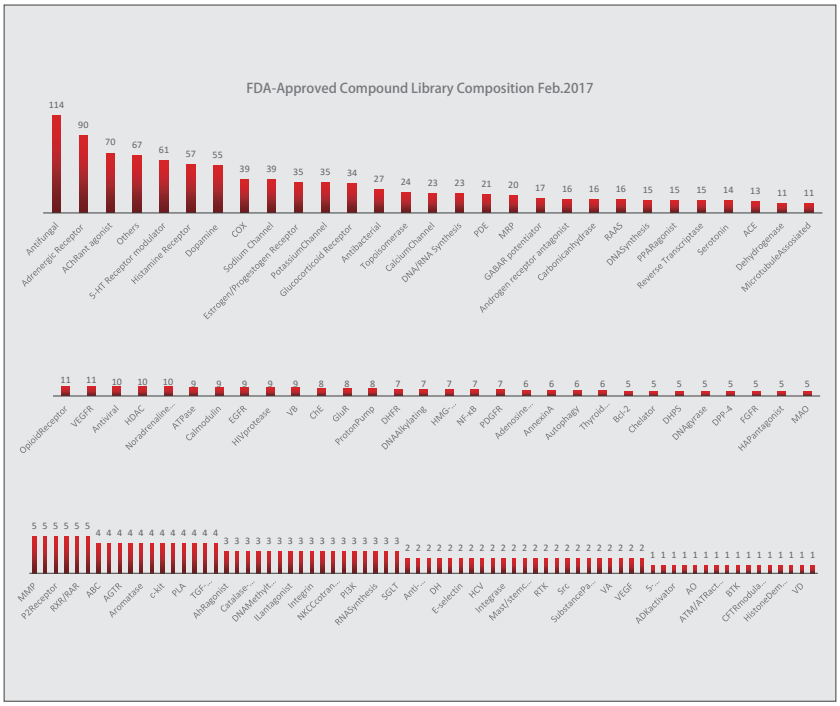
- A unique collection of **1,124** FDA approved drugs for **high throughput screening (HTS)** and **high content screening (HCS)** ;
- All compounds have been approved by FDA;
- An effective tool for drug screening and discovering new with old drugs;
- Including multiple field, such as **oncology**, **cardiology**, **anti-inflammatory**, **immunology**, **neuropsychiatry**, etc;
- More detailed compound information with structure, target, activity, IC50 value, and brief introduction;
- Structurally diverse, medicinally active, and cell permeable;
- NMR and HPLC validated to ensure high purity and quality;
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	1124
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library





Customize Your Library

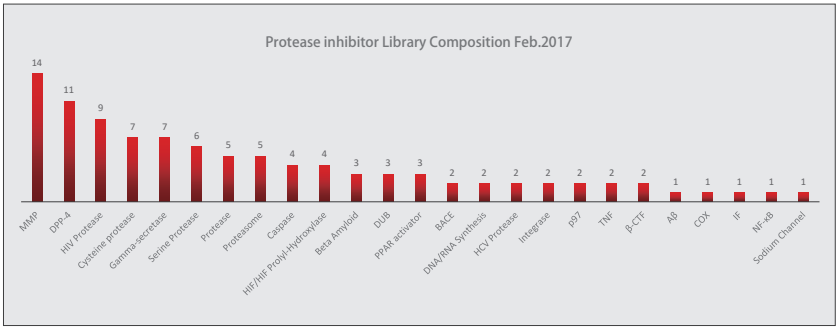
Protease Inhibitor Library

The protease inhibitor library contains **162** small molecule inhibitors associated with proteases and proteasomes, for use in scientific research and drug screening.

Description

- A unique collection of **162** types of bioactive compounds for **HTS** and **HCS**.
- Targets include **DPP-4**, **serine proteases**, **cysteine proteases**, **MMPs**, **aspartic proteases**, **etc**.
- Compound biological activity and safety have been verified through preliminary clinical studies and clinical trials.
- Several of the inhibitors have been approved by the FDA.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	162
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

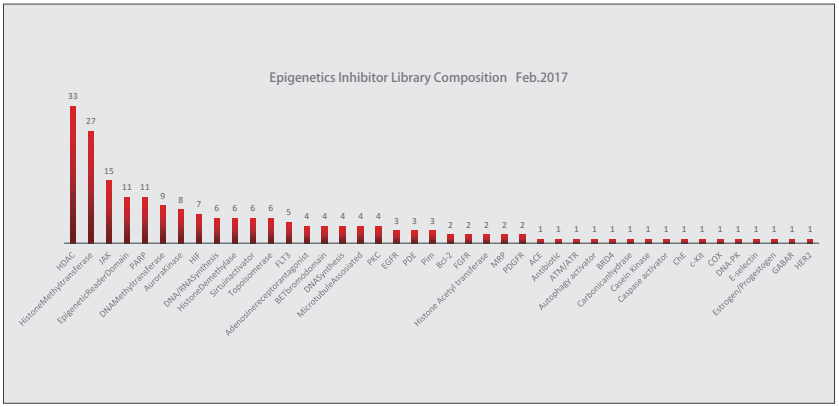
Epigenetics Compound Library

The epigenetics library contains **305** compounds for epigenetic research, related testing, **HTS** and **HCS**.

Description

- A unique collection of **305** compounds related to epigenetics for **HTS** and **HCS**.
- Targets include **HDAC**, **Sirt/Sirtuin**, **HAT**, **HMT**, etc.
- Compound biological activity and safety have been verified through preliminary clinical studies and clinical trials.
- Some of the compounds have been approved by the FDA.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	305
100 μL/well (10mM solution)	
250 μL/well (10mM solution)	



Customize Your Library

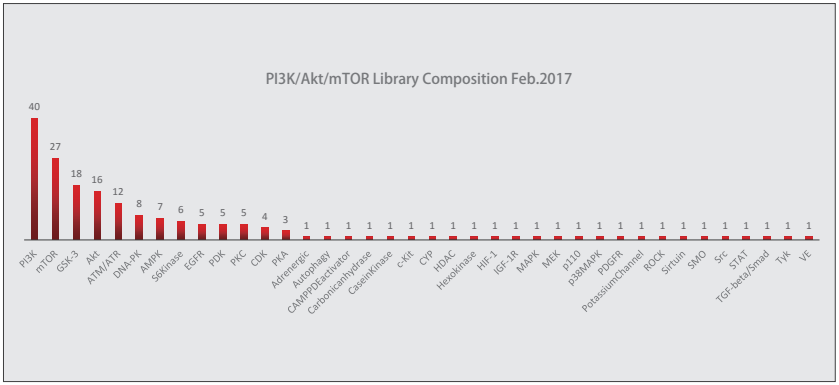
PI3K/Akt/mTOR Compound Library

The PI3K/Akt/mTOR inhibitor library consists of **190** small molecular compounds; they are used in the study of the **PI3K/Akt/mTOR signaling pathway**, and for relevant drug screening.

Description

- A unique collection of **190** biologically active compounds associated with PI3K/Akt/mTOR.
- An effective way of studying **cell/tumor cell growth**, **proliferation**, **apoptosis**, etc.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	190
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

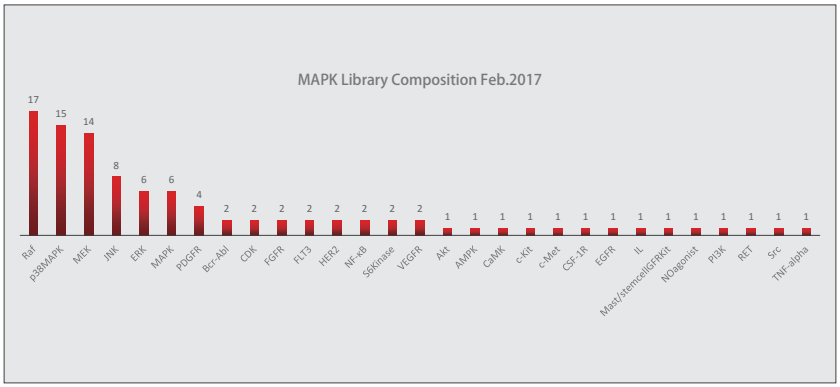
MAPK Inhibitor Library

The MAPK inhibitor library contains **140** bioactive compounds related to the **MAPK pathway** for use in research and drug screening.

Description

- A unique collection of **140** types of bioactive compounds associated with MAPK inhibition for **HTS** and **HCS**.
- Targets include **MAPK**, **ERK**, **JNK**, **MEK**, **p38**, **Raf**, **RSK**, **MNK**, etc.
- Compound biological activity and safety have been verified through preliminary clinical studies and clinical trials.
- Some compounds in the library are approved by the FDA.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	140
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

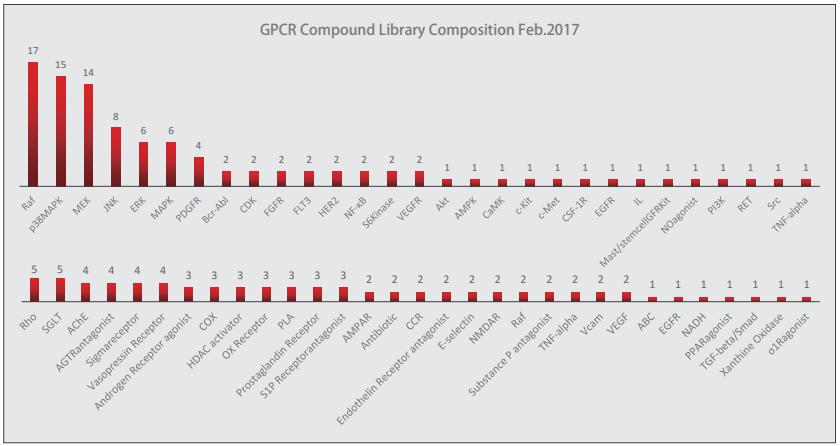
GPCR Compound Library

This library contains **711** active compounds associated with G-proteins and GPCRs, used in research of GPCR-targeted drugs, and drug screening.

Description

- A unique collection of **711** compounds for GPCR-targeted drug screening.
- Compounds have demonstrated good biological and pharmaceutical activity.
- The GPCR compound library consists of small molecules associated with receptors, such as **5-HT receptor**, **dopamine receptor**, **opioid receptor**, **adrenergic receptor**, **cannabinoid receptor**, **mGluR**, **ETA-receptor**, etc.
- It is estimated that approximately 200 orphan GPCRs are functionally unknown; use of this library for screening these GPCRs with unknown function may yield new GPCR-based drug candidates.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	711
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

Kinase Inhibitor Library

The kinase inhibitor library contains **773** varieties of inhibitor targeted to specific protein kinases, for use in **HTS** and **HCS**.

Description

- A unique collection of **773** types of kinase inhibitor for **HTS** and **HCS**.
- Targets numerous kinases, such as **MAPK**, **PI3K**, **JAK**, **STAT**, **CDK**, **MEK**, etc.
- Compound biological activity and safety have been verified through preliminary clinical studies and clinical trials.
- Several kinase inhibitors have been approved by the FDA.
- Most inhibitors of the library are ATP-competitive.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	773
100 μL/well (10mM solution)	
250 μL/well (10mM solution)	

Customize Your Library

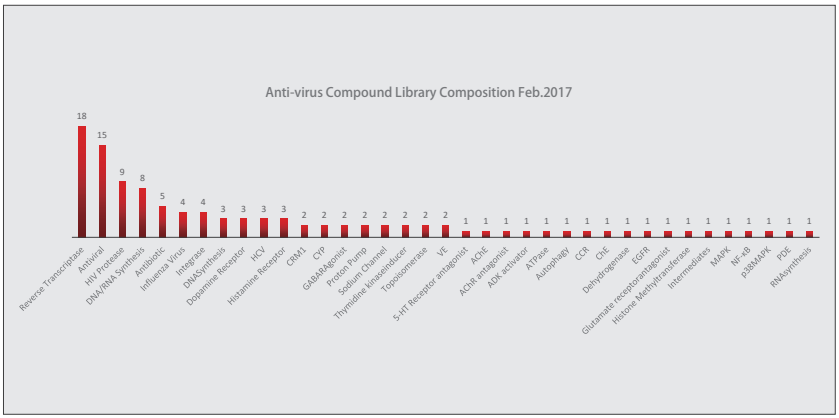
Anti-virus Compound Library

The antivirus compound library contains **157** varieties of molecule for drug research and other pharmaceutical development fields.

Description

- A unique collection of **157** compounds for **HTS** and **HCS**.
- Compounds include **anti-CMV**, **anti-HIV**, **anti-influenza virus**, etc.
- Compounds biological activity and safety have been verified through preliminary clinical studies and clinical trials.
- An effective tool for research institutes, and for pharmaceutical development and pharmaceutical engineering.
- Some of the antiviral drugs have FDA approval.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	157
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

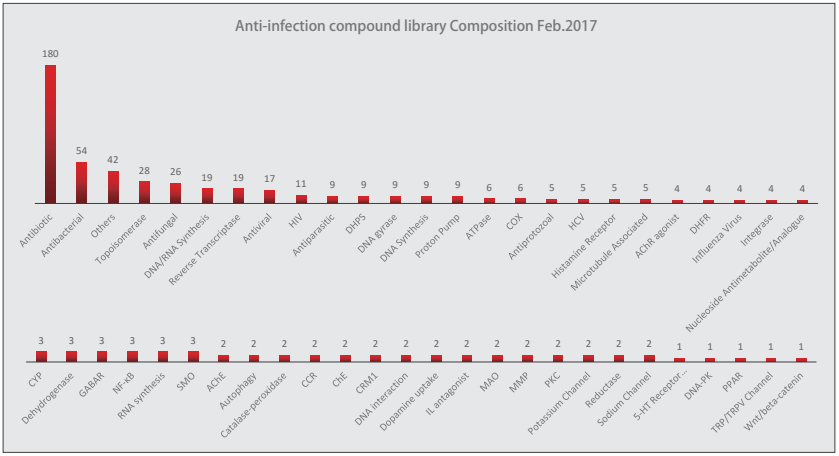
Anti-infection Compound Library

The anti-infection compound library contains **605** types of antiviral, antibacterial, and antiparisitic drugs for **HTS** and **HCS**.

Description

- A unique collection of **605** anti-infection compounds for **HTS** and **HCS**.
- Compounds include **antibacterial**, **antifungal**, **anti-CMV**, **anti-HIV**, **anti-influenza virus**, etc.
- Compound biological activity and safety have been verified through preliminary clinical studies and clinical trials.
- An effective tool for research institutes, pharmaceutical development, pharmaceutical engineering, etc.
- Some anti-infection drugs have FDA approval.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	605
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

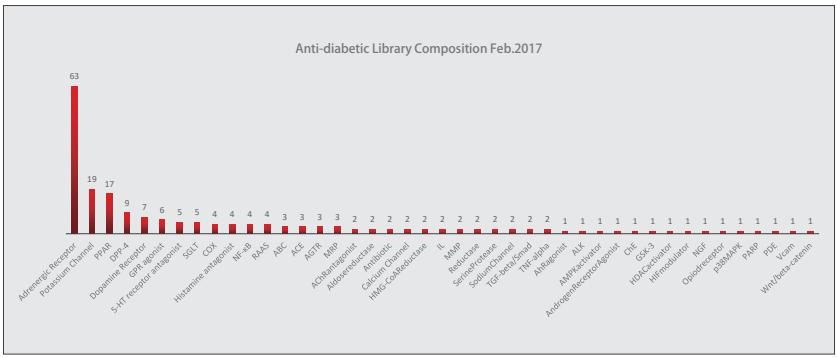
Anti-diabetic Compound Library

The anti-diabetic library contains **179** bioactive compounds aliquoted to 96-well plates; these are ideal for screening, and for research into the mechanisms of neurodegenerative diseases.

Description

- A unique collection of **179** compounds for drug screening.
- Compound biological activity and safety have been verified through preliminary clinical studies and clinical trials.
- Targets include **SGLT**, **PPAR**, **DPP-4**, **OC receptor**, **AMPK**, etc.
- Structurally diverse, medicinally active, and cell permeable.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	179
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

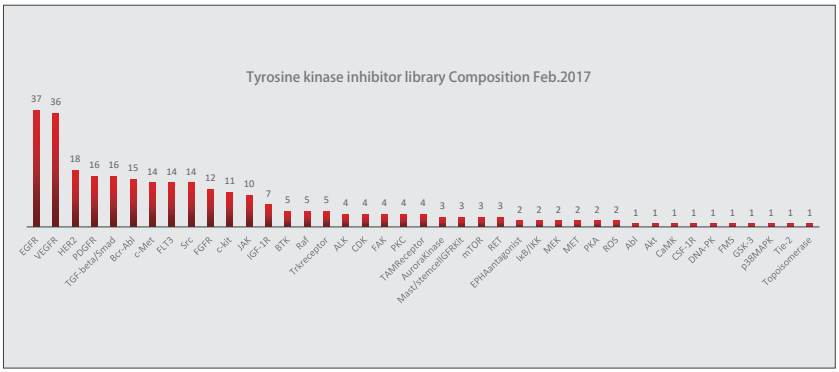
Tyrosine Kinase Inhibitor Library

The tyrosine kinase inhibitor library consists of **339** compounds, which are used for drug screening, and to research diseases associated with tyrosine kinase activity.

Description

- A unique collection of **339** types of tyrosine kinase inhibitor for **HTS** and **HCS**.
- Targets include **c-Kit**, **c-Met**, **HGFR**, **EGFR**, **FGFR**, **insulin receptor**, **JAK**, **PDGFR**, etc.
- Compound biological activity and safety have been verified through preliminary clinical studies and clinical trials.
- Several of the tyrosine kinase inhibitors have been FDA-approved.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	339
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

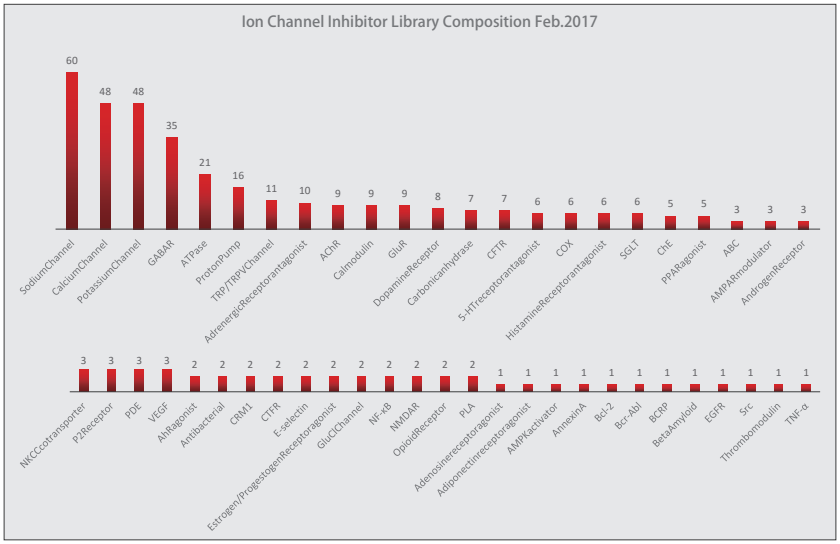
Ion Channel Inhibitor Library

The ion channel inhibitor library contains **362** small molecule inhibitors of ion channels; they can be used for **HTS** and **HCS**.

Description

- A unique collection of **362** compounds associated with ion channels for use in **HTS** and **HCS**.
- Targets include **K+ channels**, **Ca2+ channels**, **Na+ channels**, **proton pumps**, etc.
- Compound biological activity and safety have been verified through preliminary clinical studies and clinical trials.
- Some of the active compounds have FDA approval.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	362
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

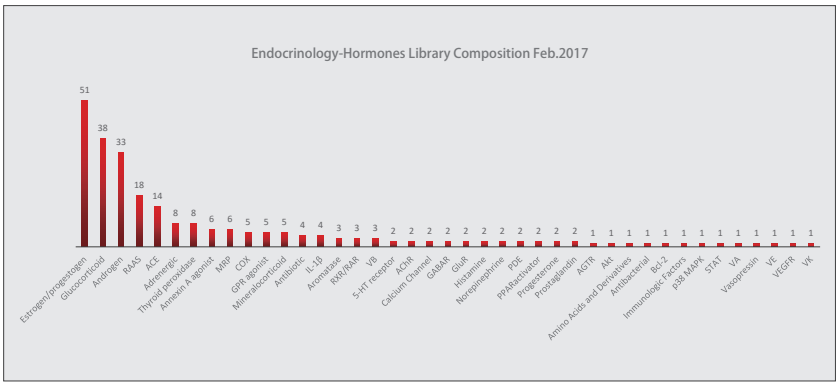
Endocrinology-Hormones Library

This library contains **297** compounds related to endocrinology/hormone signaling pathways, used for the study of the human endocrine system, and for **HTS** and **HCS**.

Description

- A unique collection of **297** compounds associated with the endocrine system for **HTS** and **HCS**.
- An effective means of studying diseases of the human endocrine system.
- Targets include **estrogen receptor**, **androgen receptor**, **norepinephrine receptor**, etc.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	297
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

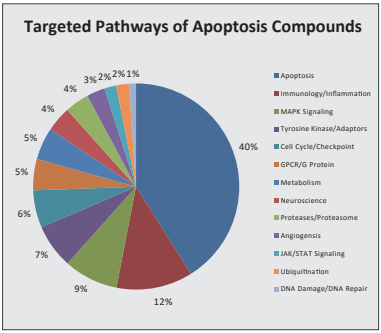
Apoptosis Compound Library

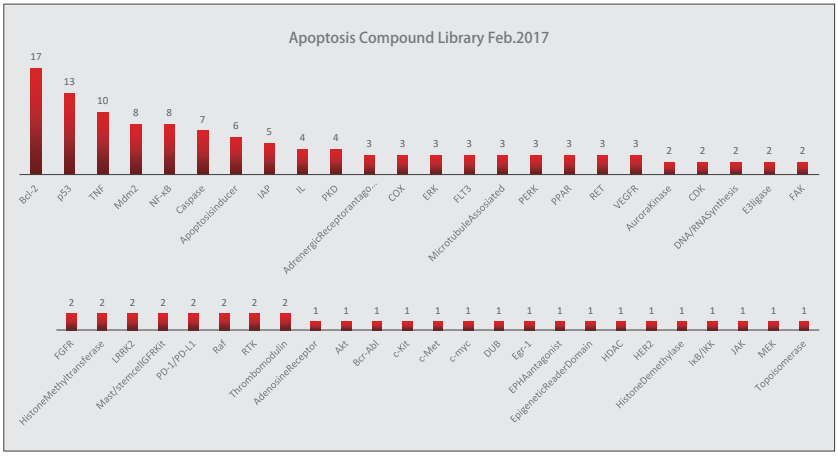
The apoptosis compound library contains **191** compounds related to apoptotic signaling pathways; most are involved in carcinogenesis and are also used in anti-cancer drug screening.

Description

- A unique collection of **191** bioactive compounds associated with apoptosis for **HTS** and **HCS**.
- Targets include **Bcl-2**, **caspases**, **p53**, **TNF-** α , **Survivin**, etc.
- Compound biological activity and safety have been verified through preliminary clinical studies and clinical trials.
- Some compounds have FDA approval.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	191
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	





Customize Your Library

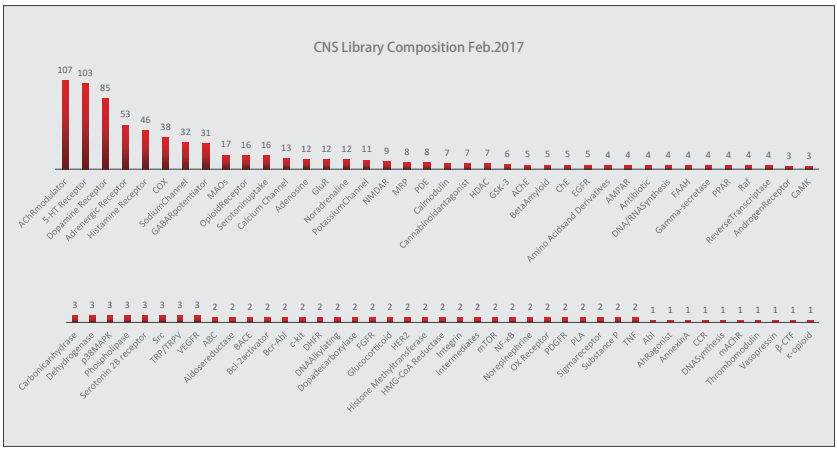
Neuronal Signaling Compound Library

The Neuronal Signaling Compound library contains **840** compounds that target the central nervous system; they are used for drug screening for neurological diseases.

Description

- A unique collection of **840** compounds associated with the CNS for **HTS** and **HCS**.
- Compound biological activity and safety have been verified through preliminary clinical studies and clinical trials.
- Targets include **5-HT receptor**, **AChR**, **histamine receptor**, **opioid receptor**, etc.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	840
100 μL/well (10mM solution)	
250 μL/well (10mM solution)	



Customize Your Library

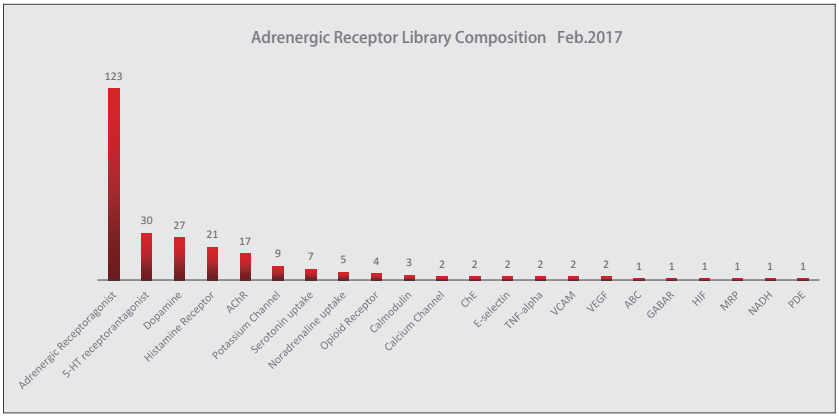
Adrenergic Receptor Library

The adrenergic receptor library contains **117** varieties of compound that specifically target the adrenergic receptor, and are used for drug screening.

Description

- A unique collection of **117** bioactive compounds that target the adrenergic receptor.
- Compound biological activity and safety have been verified through preliminary clinical studies and clinical trials.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	117
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

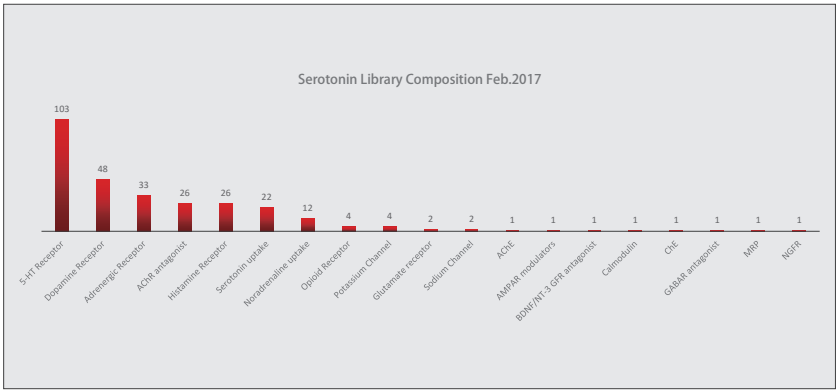
Serotonin Compound Library

The serotonin library contains **134** varieties of compound that target the **5-HT** receptor, and are for use in the screening of drugs targeting neurologic diseases.

Description

- A unique collection of **134** compounds for **HTS** and **HCS**.
- Compound biological activity and safety have been verified through preliminary clinical studies and clinical trials.
- Target the **5-HT receptor** specifically.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	134
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

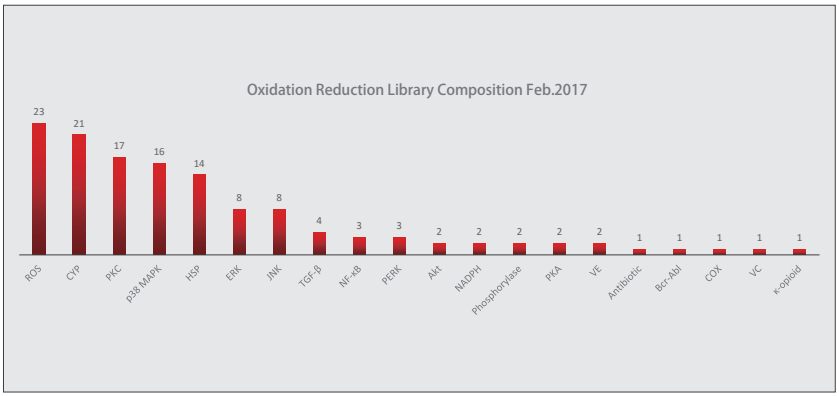
Oxidation-Reduction Compound Library

The oxidation-reduction library contains **118** bioactive compounds aliquoted to 96-well plates that are ideal for drug screening and mechanisms research.

Description

- A unique collection of **118** compounds for **HTS** and **HCS**.
- Compound biological activity and safety have been verified through preliminary clinical studies and clinical trials.
- Library includes **ROS scavengers**, **iNOS/eNOS**, and **natural antioxidant compounds**.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	118
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

CADD Target Library

The target library consists of collections according to the directions of researches following computerized virtual screening.

Antibacterial
GSK3 β library
c-Met kinase library
Antiviral
HDAC library
CB1/2 library
GPCRs
HSP90 library
Cl- channels library
Ion channels
IGF-1R library
CNS library
Kinases
K+ channels library
CXCR1/2 library
Peptidomimetics
Purinergic library
EphB4 inhibitors library
AcetylCo library
mGluR ligands
RAR library
AGRO library
MK2 inhibitors library
Secretase library
Akt kinase library
Na+ channels library
Steroids/steroid-like library
Antiapoptotic library
nAChR library
Transporter inhibitors library
PI3 kinase library
p2x7 focused library
YES kinase library
Arginine kinase library
PDZ library
BCL2/MCL1 library
Aurora A/B kinase library
Phosphatases library

Description

- A collection of over **1.5 million** compounds, used to select specific target compounds for **HTS** and **HCS** with computer-aided screening.
- An effective tool for research and drug screening.
- Covers numerous signal transduction areas, including **GPCR/G protein**, **neuroscience**, **membrane transporter/ion channel**, **microbiology & virology**, **immunology/inflammation**, **tyrosine kinase/adaptors**, etc.
- Detailed compound information, including structure, target, activity, IC50 value, and brief introduction.
- Structurally diverse, medicinally active, and cell permeable.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
10,000*1mg/well (powder)	1.5 million

Customize Your Library

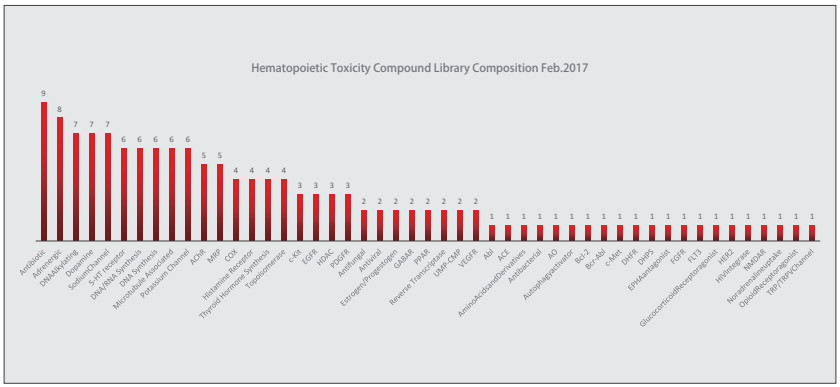
Hematopoietic Toxicity Compound Library

The hematopoietic toxicity library is a collection of **104** compounds with a range of defined hematopoietic toxicities, such as **myelosuppression**, **neutropenia**, **leucopenia**, **anemia**, etc. Included are a variety of structurally and mechanistically diverse compound classes, in addition to non-toxic controls; compounds are dissolved in DMSO at 10mM and aliquoted into deep-well plates. This library is an essential tool for predictive toxicology screening and assay development.

Description

- A unique collection of **104** compounds for **HTS** and **HCS**.
- Compound biological activity and safety have been verified through preliminary clinical studies and clinical trials.
- Targets include **HDAC**, **PPAR**, **DNA alkylating agents**, **EGFR**, etc.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	104
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

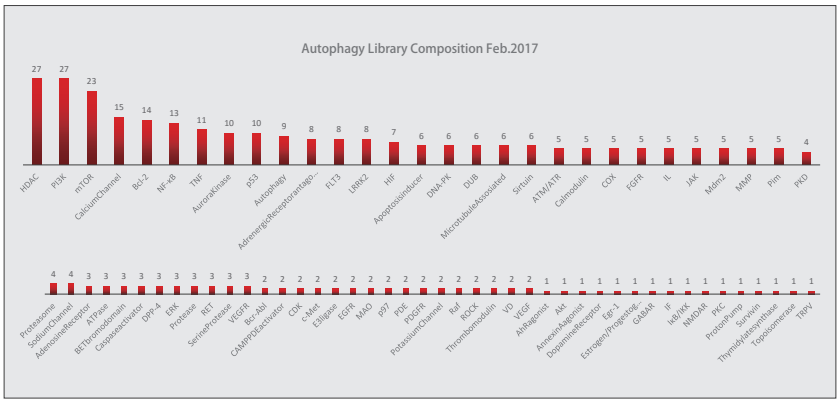
Autophagy Compound Library

A unique collection of **623** compounds related to cell autophagy, for use in the research of autophagy, and for **HTS** and **HCS**.

Description

- A unique collection of **623** compounds associated with autophagy.
- Compound biological activity and safety have been verified through preliminary clinical studies and clinical trials.
- An effective tool in the study of cell autophagy mechanisms and drug target research.
- Activity includes **autophagy induction** and **autophagy inhibition**, **proteasome**, **HIF**, **E3 ligase**, **mTOR**, etc.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	623
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

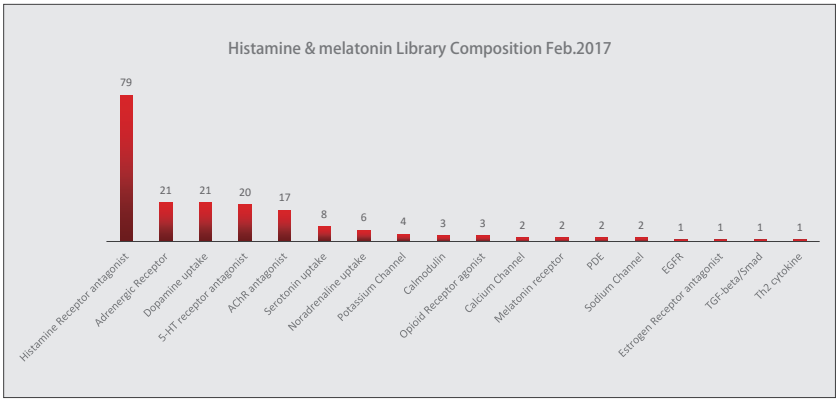
Histamine & Melatonin Library

The histamine & melatonin library contains **99** bioactive compounds, ideal for drug screening, and for research into the mechanisms of neurodegenerative diseases.

Description

- A unique collection of **99** compounds for **HTS** and **HCS**.
- Compound biological activity and safety have been verified through preliminary clinical studies and clinical trials.
- Compounds specifically target the **histamine receptor** and **melatonin receptor**.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

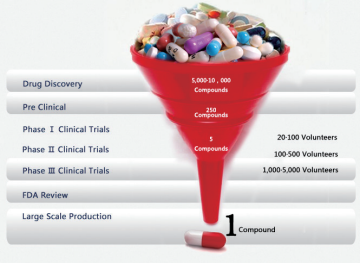
Size	Compounds
1mg/well (powder)	99
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

Clinical Compound Library

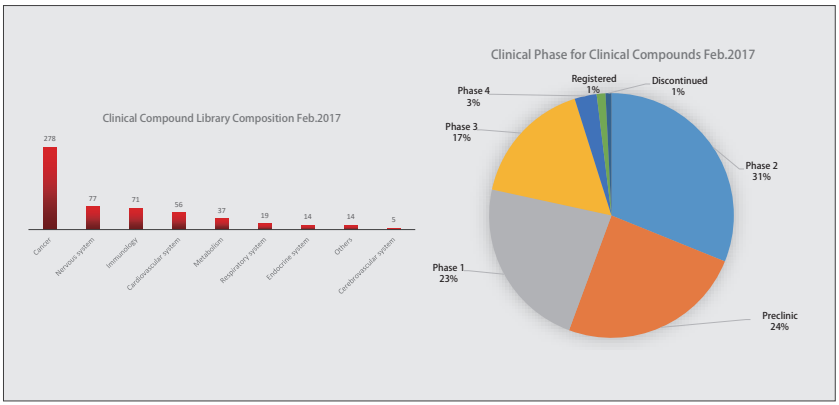
The clinical compound library is a collection of **856** compounds, all of which have been permitted into the clinical phase. Every compound contains comprehensive information on pharmacological activities, as well as sources and references etc.



Description

- A unique collection of **856** drugs for **HTS** and **HCS**.
- All compounds have been permitted into **clinical phases** and have **known biological activities**.
- An effective tool for drug screening and new drug discovery.
- Detailed compound information, including structure, target, activity, IC50 value, and biological introduction.
- Structurally diverse, medicinally active, and cell permeable.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	856
100 μL/well (10mM solution)	
250 μL/well (10mM solution)	



Customize Your Library

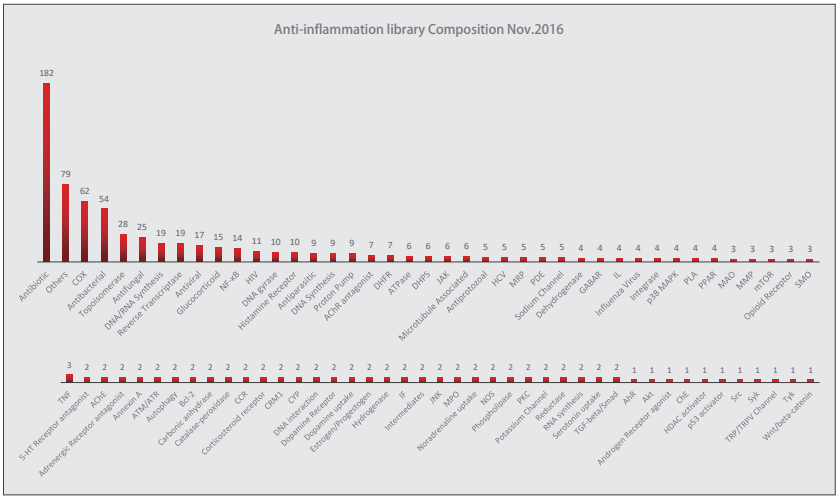
Anti-immune Disease Compound Library

A unique collection of **876** bioactive anti-immune disease compounds for drug screening, drug targer identification, and other pharmaceutical-related applications

Description

- A unique collection of **876** bioactive anti-immune disease compounds for high **throughput screening (HTS)** and **high content screening (HCS)**;
- Bioactivity and safety confirmed by preclinical research and clinical trials, some have been approved by the FDA;
- A useful tool to research infectious disease for academic institutions, medical research organizations, and the pharmaceutical industry
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	876
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

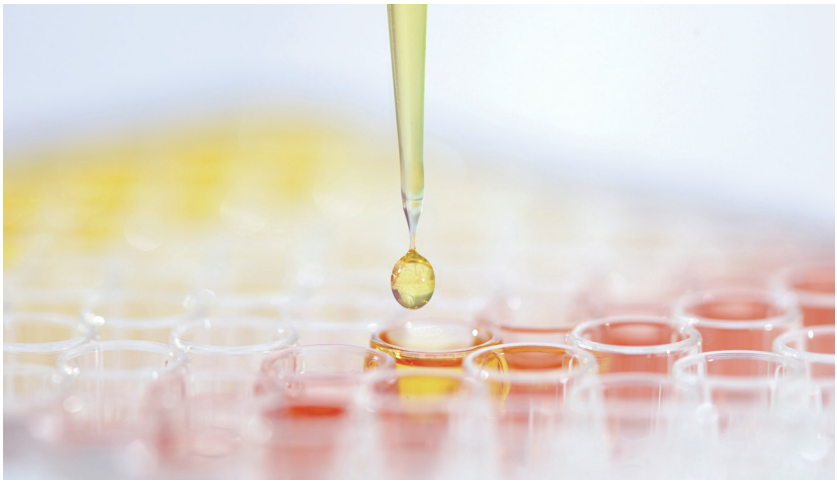
HTS Library

Advantages of this library are its **large capacity**, **diversity**, **range of new compounds**, and higher cost performance. In addition, compounds are more easily selected for **HTS** and **HCS**.

Description

- **As many as 5 million** small molecular compound collections, wide selection scope is easier to screen out the desired result;
- All compounds meet strict criteria screening to avoid adverse groups;
- 14000 different skeleton structure, comprehensive coverage;
- **More than 200000** is updated into the library every year;
- An effective tool for scientific research and drug screening;
- Detailed specifications, chemical structure, activity description, etc.;
- Structurally diverse, medicinally active, and cell permeable
- NMR and HPLC validated to ensure high purity and quality;

Size	Compounds
10,000*1mg/well (powder)	5 million



Customize Your Library

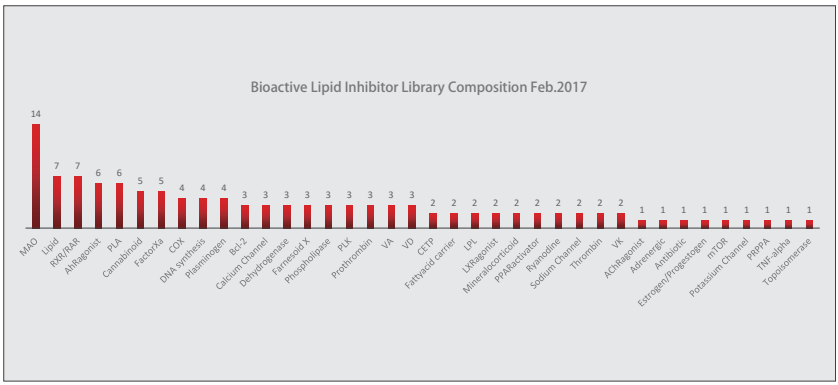
Bioactive Lipid Inbibitor Library

The bioactive lipid library contains **213** bioactive lipids aliquoted to 96-well plates.

Description

- A unique collection of **213** bioactive lipid compounds for **HTS** and **HCS**.
- Compound biological activity and safety have been verified through preliminary clinical studies and clinical trials.
- Targets include **GPCR**, **HDAC**, **PPAR**, **DNA alkylating agents**, **EGFR**, etc.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	213
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

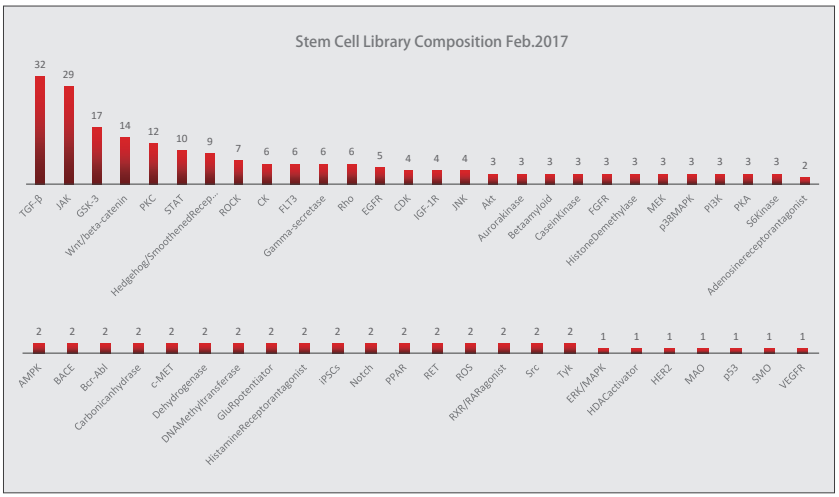
Stem cell Differentiation Compound Library

The stem cell library consists of **340** small molecular compounds for use in research of the stem cell signaling pathway, and for new drug screening.

Description

- A unique collection of **340** compounds associated with stem cell signaling pathways for **HTS** and **HCS**.
- An effective means of studying the mechanisms of stem cell regeneration, regeneration therapy, and drug screening based on stem cells.
- Targets include **Wnt**, **GSK-3**, **Hedgehog**, **JAK**, **ROCK**, **γ-secretase**, etc.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	340
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

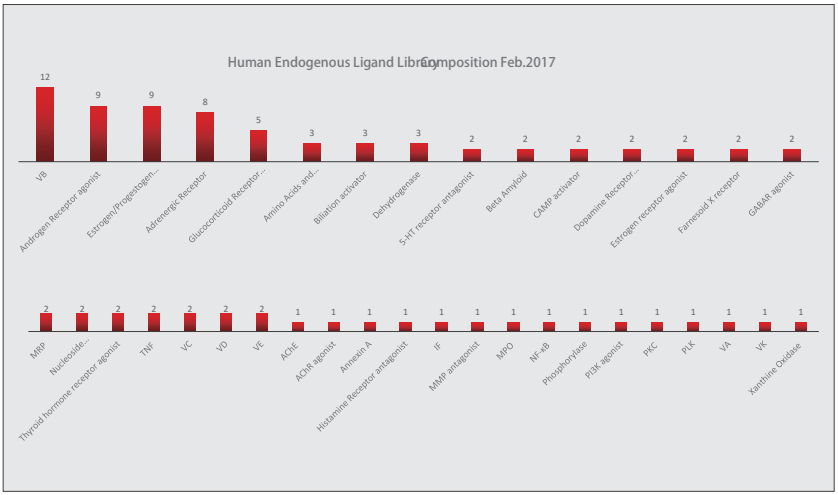
Human Endogenous Metabolize Compound Library

The human endogenous ligand library consists of **138** biologically active compounds related to endogenous metabolism; they are used for the study of endogenous metabolic diseases, and for new drug screening.

Description

- A unique collection of **138** human endogenous biologically active compounds for **HTS** and **HCS**.
- An effective means of studying human metabolic diseases and identifying new drug targets.
- All compounds can be selected according to molecular structure.
- Structurally diverse, medicinally active, and cell permeable.
- Detailed compound information, including structure, target, activity, IC50 value, and description.
- NMR and HPLC validated to ensure high purity and quality.
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	138
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

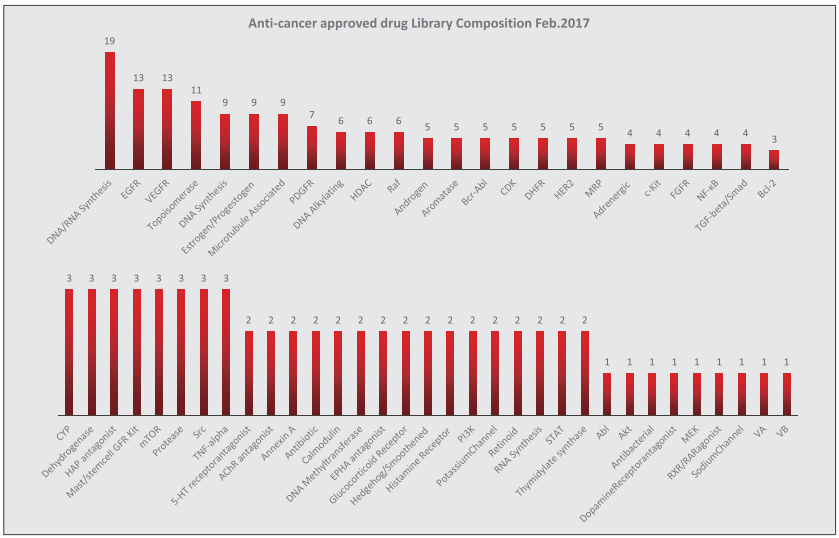
Anti-cancer Approved Drug Library

A unique collection of **219** approved drugs in treatment of cancer used in cancer related research and drug screening for HTS, HCS.

Description

- All drugs have been approved in cancer treatment which could be the most powerful and effective screening tool for cancer research and drug repurposing.
- Involve over 15 types of cancers: **Non-Small Cell Lung cancer, Breast Cancer, Leukemia, Lung Cancer, Lymphoma**, etc.
- Structurally diverse, medicinally active, and cell permeable;
- Detailed specifications, chemical structure, target, IC50 value, activity description, etc;
- NMR and HPLC validated to ensure high purity;
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	219
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

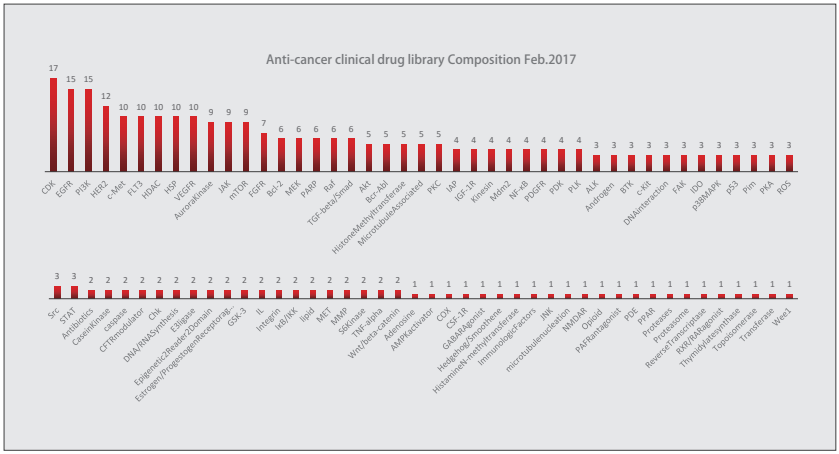
Anti-cancer Clinical Drug Library

A unique collection of **453** clinical drugs in treatment of cancer used in cancer related research and drug screening for HTS, HCS.

Description

- All drugs have been in clinical trail for cancer treatment which could be the most potential screening tool for cancer research.
- A unique collection of the most cutting-edge compounds of cancer research.
- Involve over 15 types of cancers: **Non-Small Cell Lung cancer, Breast Cancer, Leukemia, Lung Cancer, Lymphoma**, etc.
- Structurally diverse, medicinally active, and cell permeable;
- Detailed specifications, chemical structure, target, IC50 value, activity description, etc;
- NMR and HPLC validated to ensure high purity;
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	453
100 μL/well (10mM solution)	
250 μL/well (10mM solution)	



Customize Your Library

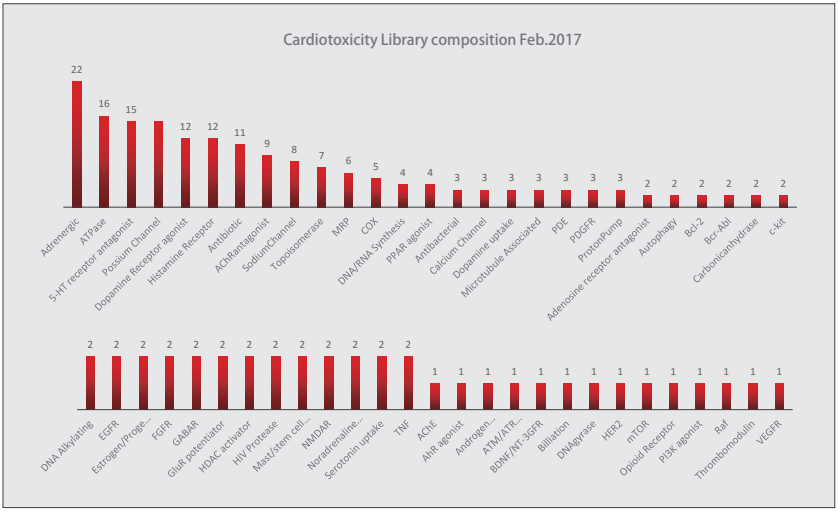
Cardiotoxicity Compound Library

Targeted libraries for cardiotoxicity, contain **132** compounds with defined and diverse organ-associated toxicity profiles. A variety of structurally and mechanistically different compound classes are included.

Description

- A large percentage of drugs fail in clinical studies due to cardiac toxicity; thus, development of sensitive in vitro assays that can evaluate potential adverse effects on cardiomyocytes is extremely important for drug development.
- Targetmol provides the targeted libraries for cardiotoxicity to advance your predictive toxicology research.
- Contain compounds with defined and diverse organ-associated toxicity profiles.
- Include a variety of structurally and mechanistically different compound classes.
- Structurally diverse, medicinally active, and cell permeable.
- More detailed compound information with structure, target, activity, IC50 value, and brief introduction;
- NMR and HPLC validated to ensure high purity and quality;
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	132
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

Fluorochemical Library

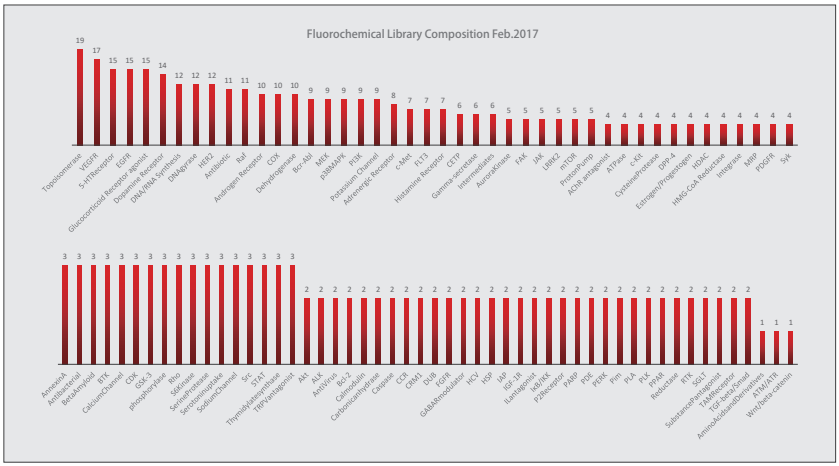
A collection of **586** bioactive compounds for drug discovery and repurposing.

Description

Fluorinated compounds comprise a substantial proportion in the therapeutic drugs. It is an important strategy to introduce fluorine and fluorinated substitutes in the small molecule for structure-based medicinal chemistry.

- Modulate the physicochemical and pharmacokinetic properties to improve bioavailability.
- Change the conformation of a molecule to enhance the selectivities and binding affinity to target proteins.
- Block metabolically labile sites to increase the metabolic stability of drugs.
- Most of products have been marketed in the worldwide scale and some have been approved by FDA. This library is collection of the most potential compounds for **DNA damage and repair research**.
- Bioactivity and safety confirmed by preclinical research and clinical trials.
- Structurally diverse, medicinally active, and cell permeable.
- More detailed compound information with structure, target, activity, IC50 value, and brief introduction;
- NMR and HPLC validated to ensure high purity and quality;
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	586
100 μL/well (10mM solution)	
250 μL/well (10mM solution)	



Customize Your Library

Anti-Metabolism Disease Compound Library

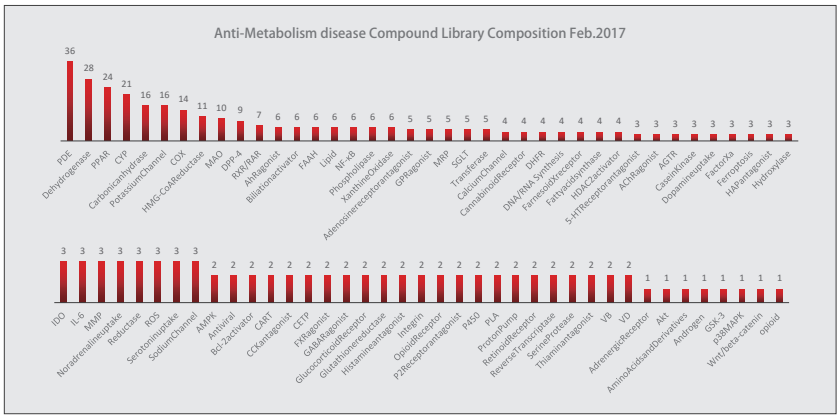
A collection of **816** bioactive compounds that focused on metabolism disease and potential targeted small molecular inhibitors to advancer your metabolism research.

Description

Metabolism is an essential processes for maintaining homeostasis which refers to a set of chemical reactions which are responsible for transforming carbohydrates, lipids and proteins into energy. Metabolic research focuses on better study basic biological mechanisms that regulate metabolism and how they are changed in disorders such as obesity, diabetes, cardiovascular disease, and cancer.
Targetmol provides a unique collection that focused on metabolism disease and potential targeted small molecular inhibitors to advancer your metabolism research.

- Contain over ten kinds of metabolism disease drugs that used in clinical treatment including diabetes, obesity, liver diseases et al
- Contain specific small molecular compounds that participate in metabolism pathway.
- Include the hot target of metabolism research such as **CYP, FAAH, IDO, MAO** et al.
- Most of products have been marketed in the worldwide scale and some have been approved by FDA. This library is collection of the most potential compounds for DNA damage and repair research.
- Bioactivity and safety confirmed by preclinical research and clinical trials.
- Structurally diverse, medicinally active, and cell permeable.
- More detailed compound information with structure, target, activity, IC50 value, and brief introduction;
- NMR and HPLC validated to ensure high purity and quality;
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	816
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

Mitochondrial Targeting Compound Library

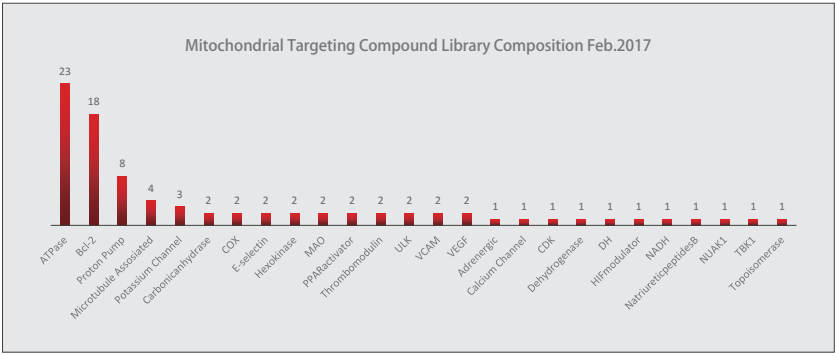
64 compounds with potential or definite mitochondrial targeting activities to advance your drug research focused on mitochondrion.

Description

Mitochondrion is involved in many metabolic processes, and it is one of the most vital organelles in human body. Mitochondrion dysfunction is closely related with many malignant diseases such as cancers, neurodegenerative diseases, obesity and ischemia reperfusion injury. Now, mitochondria drug delivery have gained increasing attention in treating many diseases.
Targetmol provides 57 compounds with potential or definite mitochondrial targeting activities to advance your drug research focused on mitochondrion.

- Contain the only mitochondrial targeting drug that approved in the world, Idebenone;
- Contain the inhibitors of targets that related with mitochondrion mostly such as **ATPase, Hexokinase, Bcl-2, NADP** et al;
- **Inhibitors of ULK1**, regulatory factor of Mitochondrion autophagy which have been used in the research of mitochondrial targeting drugs, is also involved in the library;
- Other hot potential mitochondrial targeting compounds are also involved in the library including **lonidamine**, **paclitaxel** and so on;
- Bioactivity and safety confirmed by preclinical research and clinical trials;
- Structurally diverse, medicinally active, and cell permeable.
- More detailed compound information with structure, target, activity, IC50 value, and brief introduction;
- NMR and HPLC validated to ensure high purity and quality;
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	64
100 μL/well (10mM solution)	
250 μL/well (10mM solution)	



Customize Your Library

Anti-Cardiovascular Disease Compound Library

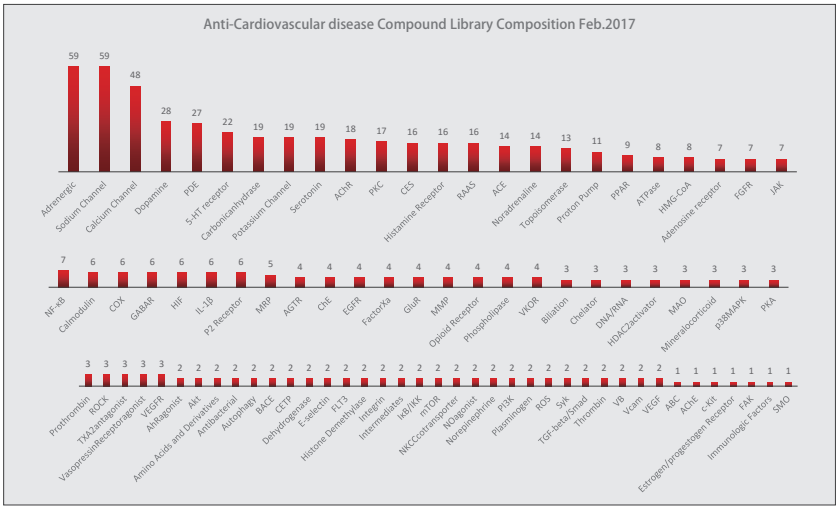
A comprehensive screening library of **515** compounds to enable analysis of the cellular response to novel therapeutics for cardiovascular medicine and discovery the drug for cardiovascular disease.

Description

Cardiovascular disease is consistently ranked as the single largest cause of death in the world, and it may be caused by heart damage or vascular problems. Challenges in cardiovascular clinical development have caused researchers to take a closer look at cardiac function and metabolism.

- Contain over 300 drugs that have been used in clinical treatment of cardiovascular diseases which is a better tool for drug repurposing and pharmacology research;
- Contain the pathway that related with cardiovascular drug discovery such as **membrane Transporter and Ion Channel;**
- Most of products have been marketed in the worldwide scale and some have been approved by FDA. This library is collection of the most potential compounds for **DNA damage and repair research.**
- Bioactivity and safety confirmed by preclinical research and clinical trials;
- Structurally diverse, medicinally active, and cell permeable;
- More detailed compound information with structure, target, activity, IC50 value, and brief introduction;
- NMR and HPLC validated to ensure high purity and quality;
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	515
100 µL/well (10mM solution)	
250 µL/well (10mM solution)	



Customize Your Library

Polyphenolic Natural Compound Library

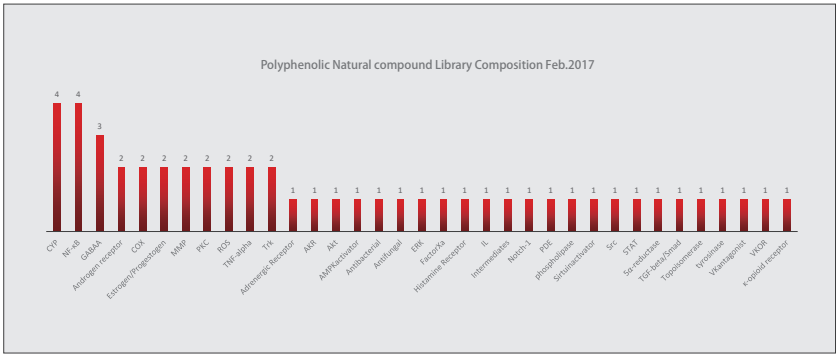
A specific collection of **367** Polyphenolic natural compounds for HTS, HCS.

Description

A specific collection of **367** Polyphenolic natural compounds including **Flavonoids, hydroxybenzoic acid**, lignans and so on.

- Most of compounds have bioactivity clearly such as inhibitor of **JAK, AMPK, CYP** et al which could be a carrier screening;
- Structurally diverse, medicinally active, and cell permeable
- Detailed specifications, compound structure; target information, IC50 value concentration, activity description, etc;
- NMR and HPLC validated ensure high purity;
- All compounds are in stock.

Size	Compounds
1mg/well (powder)	367
100 μL/well (10mM solution)	
250 μL/well (10mM solution)	



Customize Your Library

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