

## FDA-Approved Drug Library

Cat. No.: HY-L022

Product Name	Cat. No.	Compounds	Size (Pre-dissolved in DMSO/Solid)
FDA-Approved Drug Library	HY-L022	1472	30 µL/well, 50 µL/well, 100 µL/well, 250 µL/well (10 mM solution)

- A unique collection of **1472** marketed drugs for **high throughput screening (HTS)** and **high content screening (HCS)**.
- Used in the research of **oncology, cardiology, anti-inflammatory, immunology, dermatology, endocrinology, neurology**, and more.
- A useful tool for **researching new targets of marketed old drugs**.
- All compounds have been approved by the **FDA** or **EMA**.
- Structurally diverse, bioactive, and cell permeable.
- More detailed compound information with structure, IC<sub>50</sub>, and brief introduction.
- NMR and HPLC validated ensure high purity.
- All compounds are in stock and continuously updated.

### Targets Included in FDA-Approved Drug Library:

5 alpha Reductase	5-HT Receptor	ACE	AChE	Adenosine Receptor	ALK	Adrenergic Receptor
Androgen Receptor	Angiotensin Receptor	Antibacterial	Antifolate	Antifungal	Antiparasitic	Autophagy
Bcr-Abl	Calcium Channel	CaSR	Carbonic Anhydrase	c-Kit	c-Met/HGFR	Cytochrome P450
CXCR	DNA alkylator	DPP4	DNA/RNA Synthesis	Dopamine Receptor	EGFR	Endothelin Receptor
Estrogen Receptor	Factor Xa	GABA Receptor	Glucocorticoid Receptor	HBV	HCN Channel	HCV
HDAC	Histamine Receptor	HIV	HMG-CoA Reductase	HSV	Influenza Virus	JAK
Leukotriene Receptor	mAChR	mGluR	Microtubule/Tubulin	Monoamine Oxidase	nAChR	Neurokinin Receptor
NMDA Receptor	NNRTIs	NRTIs	Opioid Receptor	P2Y Receptor	PDE	PDGFR
PGE synthase	Potassium Channel	PKC	Progesterone Receptor	PPAR	Proteasome	Proton Pump
Raf	RAR/RXR	Ras	Sodium Channel	SGLT	Src	SSRIs
STAT	Thrombin	TNF-alpha	Topoisomerase	Vasopressin Receptor	VEGFR	Xanthine Oxidase ...

### Publications Citing Use of MCE FDA-Approved Library Drugs:

**Nature.** 2017 Aug 24;548(7668):471-475.  
**Nature.** 2017 Jun 15;546(7658):426-430.  
**Science.** 2014 Oct 3;346(6205):1255784.  
**Nat Med.** 2017 Apr 7;23(4):405-408.  
**Nat Med.** 2016 Jul;22(7):723-6.  
**Nat Med.** 2016 May;22(5):547-56.  
**Nat Med.** 2014 Aug;20(8):927-35.  
**Cancer Cell.** 2017 Apr 10;31(4):501-515.e8.  
**Cancer Discov.** 2017 Jan;7(1):54-71.  
**Cancer Discov.** 2016 Oct;6(10):1118-1133.

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### Principle Research Areas of FDA-Approved Drug Library

