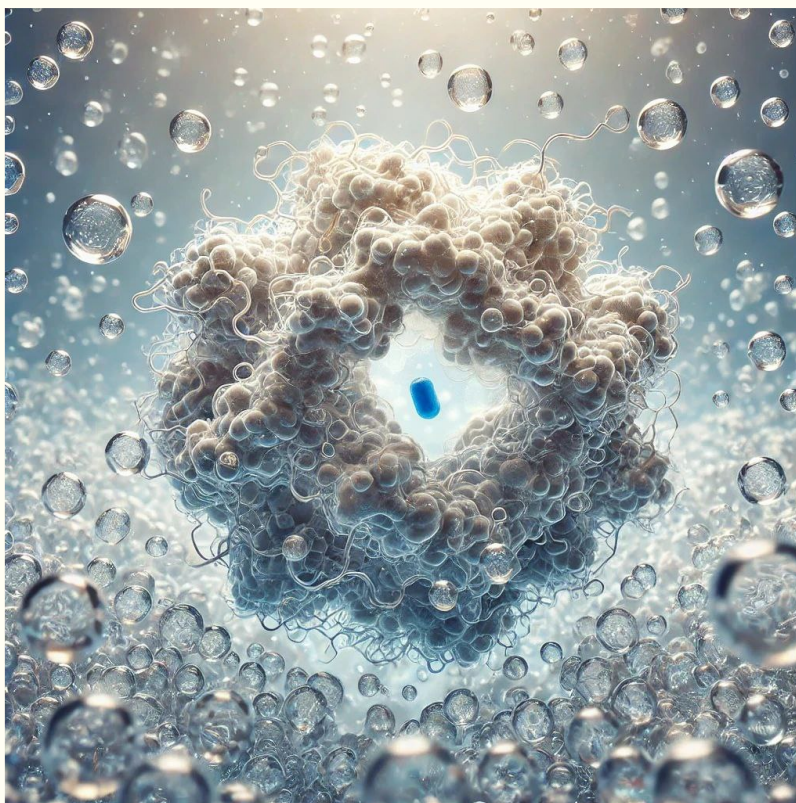




The U.S. Food and Drug Administration (FDA) is the federal regulatory agency in the United States tasked with ensuring the safety and efficacy of foods, medications, vaccines, medical devices, cosmetics, animal and veterinary products, tobacco products, and devices emitting electromagnetic radiation. Among its critical responsibilities, the FDA oversees the approval process for new drugs before they become available to the public.

The **Full Library of FDA approved drugs** includes 1711 molecules and represents all medications available for sale by Enamine today.

Related terms: FDA, HCA2 receptor, Kv11.1, Androgen receptor, Acetylcholinesterase, Caspase 3, Pancreatic lipase, D3 receptor.



Highlights

Library Composition

Name	Occurrence in the library, times
Carbonic anhydrases	82
Oxidoreductases	72
Adrenoceptors	63
Voltage-gated potassium channels (K _v)	55
Others	54
Dopamine receptors	52
Histamine receptors	47
3C. 3-Ketosteroid receptors	45
Acetylcholine turnover	43
5-Hydroxytryptamine receptors	42
S1: Chymotrypsin	32
Monoamine transporter subfamily	30
3A. Estrogen receptors	29

Acetylcholine receptors (muscarinic)	29
Ionotropic glutamate receptors	24
Histone deacetylases (HDACs)	24
Voltage-gated calcium channels (Ca_v)	24
CYP2 family: drug metabolising subset	24
Hydrolases	23
"CYP11, CYP17, CYP19, CYP20 and CYP21 families"	21
"Phosphodiesterases, 3',5'-cyclic nucleotide (PDEs)"	21
Transient Receptor Potential channels (TRP)	20
Type I RTKs: ErbB (epidermal growth factor) receptor family	18
ABCG subfamily	18
Janus kinase (JakA) family	16
Organic anion transporters (OATs)	16
M24: Methionyl aminopeptidase	16
Catecholamine turnover	16
S9: Prolyl oligopeptidase	15
Voltage-gated sodium channels (Na_v)	15
Nicotinic acetylcholine receptors (nACh)	15
Adenosine receptors	14
1C. Peroxisome proliferator-activated receptors	14

M2: Angiotensin-converting enzymes (ACE and ACE2)	12
Chemokine receptors	12
SLCO family of organic anion transporting polypeptides	12
CYP1 family	12
Organic cation transporters (OCT)	11
Tubulins	11
Heat shock proteins	11
Blood coagulation components	11
DNA topoisomerases	11
Lanosterol biosynthesis pathway	11
"Calcium- and sodium-activated potassium channels (K_{Ca} , K_{Na})"	11
Angiotensin receptors	10
11. Vitamin D receptor-like receptors	10
M28: Aminopeptidase Y	10
CYP3 family	10
GABA _A receptors	10
Type IV RTKs: VEGF (vascular endothelial growth factor) receptor family	9
Prostanoid receptors	9
Inwardly rectifying potassium channels (K_{IR})	9
ABCB subfamily	9

Lipoxygenases	9
Poly ADP-ribose polymerases	9
ABCC subfamily	9
Glycosidases	9
E3 ubiquitin ligase components	7
Aryl hydrocarbon receptor	7
M10: Matrix metalloproteinase	7
Metabotropic glutamate receptors	7
5-HT ₃ receptors	7
Nitric oxide synthases	7
Adenosine turnover	7
M1: Aminopeptidase N	7
Aurora kinase (Aur) family	6
T1: Proteasome	6
Type II RTKs: Insulin receptor family	6
Fatty acid-binding proteins	6
Organic zwitterions/cation transporters (OCTN)	6
Free fatty acid receptors	6
Melatonin receptors	6
UDP glucuronosyltransferases (UGT)	6

Polo-like kinase (PLK) family	5
CLK family	5
Vasopressin and oxytocin receptors	5
Tachykinin receptors	5
"Phosphatidylinositol-4,5-bisphosphate 3-kinase family"	5
GSK subfamily	5
CFTR	5
Prostaglandin synthases	5
p38 subfamily	5
Integrins	5
Melanocortin receptors	5
Ryanodine receptors (RyR)	5
Src family	5
Class A Orphans	5
Trace amine receptor	5
Histone acetyltransferases (HATs)	3
Gonadotrophin-releasing hormone receptors	3
RAF family	3
Transthyretin	3
"CYP24, CYP26 and CYP27 families"	3

Tec family	3
Lysophospholipid (S1P) receptors	3
Isocitrate dehydrogenases	3
Type XIV RTKs: RET	3
Calcium-sensing receptor	3
ERK subfamily	3
M13: Neprilysin	3
Hexose transporter family	3
JNK subfamily	3
"CYP39, CYP46 and CYP51 families"	3
Bile acid receptor	3
Type XIII RTKs: Ephrin receptor family	3
Toll-like receptor family	3
STAT transcription factors	3
Prolyl hydroxylases	3
C44: Phosphoribosyl pyrophosphate amidotransferase	3
CDK9 subfamily	3
SLC29 family	3
Acyltransferases	3
Type V RTKs: FGF (fibroblast growth factor) receptor family	3

Phospholipase A ₂	3
SLC18 family of vesicular amine transporters	3
Methyltransferases	3
Basic leucine zipper domain TFs	3
Hydroxycarboxylic acid receptors	3
Nucleotide turnover	3
ABCA subfamily	2
Leukotriene receptors	2
Type XVII RTKs: ROS receptors	2
Class Frizzled GPCRs	2
Inhibitors of apoptosis (IAP) protein family	2
RAS subfamily	2
FRAP subfamily	2
Type X RTKs: HGF (hepatocyte growth factor) receptor family	2
STE7 family	2
Cannabinoid receptors	2
Peptidyl-prolyl cis/trans isomerases	2
Two-pore domain potassium channels (K _{2P})	2
STE11 family	2
Death-associated kinase (DAPK) family	2

PIM family	2
NAK family	2
2-Acylglycerol ester turnover	2
Lysophospholipid (LPA) receptors	2
2B. Retinoid X receptors	2
Tumour necrosis factor (TNF) receptor family	2
Abl family	2
GABA transporter subfamily	2
A1: Pepsin	2
Hexokinases	2
"Type III RTKs: PDGFR, CSFR, Kit, FLT3 receptor family"	2
Sigma receptors	2
TAIRE subfamily	2
Thyroid hormone turnover	2
Amino acid hydroxylases	2
Bradykinin receptors	2
Formylpeptide receptors	2
Atypical SLC22B subfamily	2
Taste 2 receptors	2
SGK family	2

Opioid receptors	2
Alanine/serine/cysteine transporter subfamily	2
Receptor tyrosine phosphatase (RTP) family	2
GABA _B receptors	2
NADPH oxidases	2
NOD-like receptor family	2
Glycine receptors	2
GABA turnover	2
M14: Carboxypeptidase A	2
Class C Orphans	2
SLC7 family	2
CDK7 subfamily	1
Other PIKK family kinases	1
Somatostatin receptors	1
Endothelin receptors	1
CDK5 subfamily	1
Proteinase-activated receptors	1
Mitochondrial-associated proteins	1
1A. Thyroid hormone receptors	1
Ghrelin receptor	1

Interleukin-1 receptor-associated kinase (IRAK) family	1
Dyrk1 subfamily	1
M79: Prenyl protease 2	1
"CYP5, CYP7 and CYP8 families"	1
Transmembrane guanylyl cyclases	1
Receptor interacting protein kinase (RIPK) family	1
STE20 subfamily	1
P2Y receptors	1
MSK subfamily	1
"Akt (Protein kinase B, PKB) family"	1
CRK7 subfamily	1
3B. Estrogen-related receptors	1
SLC65 NPC-type cholesterol transporters	1
CIC family	1
P2X receptors	1
Decarboxylases	1
Neuropeptide Y receptors	1
CatSper and Two-Pore channels (TPC)	1
"GPR18, GPR55 and GPR119"	1
Glucagon receptor family	1

Ceramide glucosyltransferase	1
Class I transporters	1
SLC46 family of folate transporters	1
Motilin receptor	1
1-phosphatidylinositol 4-kinase family	1
M12: Astacin/Adamalysin	1
Neuropeptide FF/neuropeptide AF receptors	1
Type XII RTKs: TIE family of angiopoietin receptors	1
MKN subfamily	1
Tau tubulin kinase (TTBK) family	1
P2A P-type ATPases: Ca ²⁺ -ATPases	1
CDK1 subfamily	1
C48: Ulp1 endopeptidase	1
Relaxin family peptide receptors	1
Type I receptor serine/threonine kinases	1
SLC47 family of multidrug and toxin extrusion transporters	1
Adiponectin receptors	1
<i>N</i>-Acylethanolamine turnover	1
Carboxylases	1
Leukotriene and lipoxin metabolism	1

Galanin receptors	-	1
Syk family	-	1
Dioxygenases	-	1
Histone methyltransferases (HMTs)	-	1
C1: Papain	-	1
Iota subfamily	-	1
Purine-nucleoside phosphorylase	-	1
Lysyl oxidases	-	1
Rho kinase	-	1
C2: Calpain	-	1
Pyruvate kinases (EC 2.7.1.40)	-	1
S28: Lysosomal Pro-Xaa carboxypeptidase	-	1
Non-enzymatic BRD containing proteins	-	1
IRE family	-	1
SLC3 family	-	1
AMPK subfamily	-	1
SLC16 family of monocarboxylate transporters	-	1
Pyrimidine salvage	-	1
Mitochondrial uncoupling proteins	-	1
Succinate receptor	-	1

B-cell lymphoma 2 (Bcl-2) protein family

• 1

Arginase

• 1

PDHK family

• 1

Glycine transporter subfamily

• 1

Platelet-activating factor receptor

• 1

Choline transporter

• 1