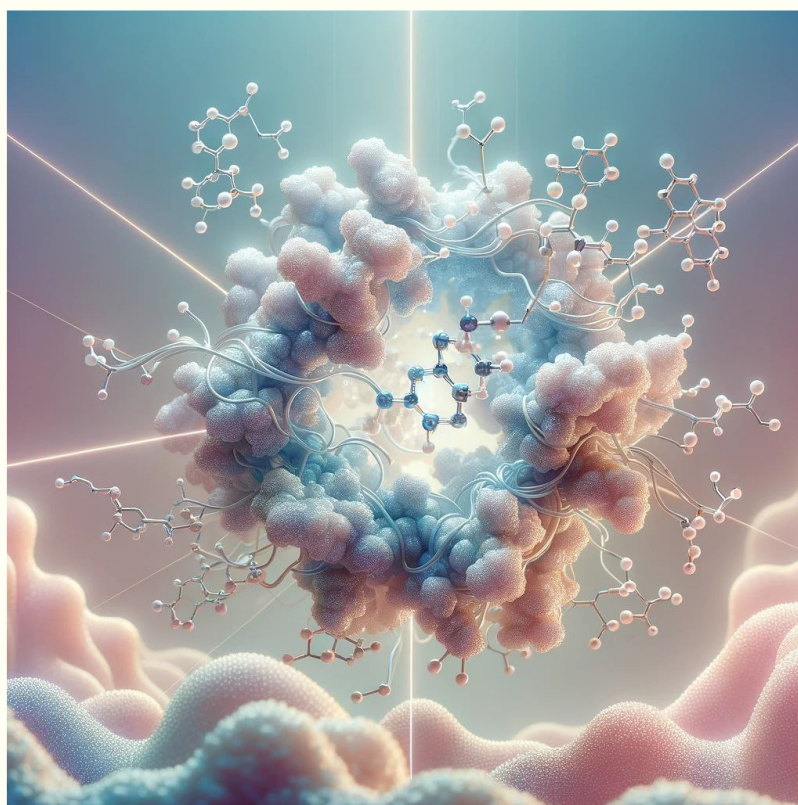




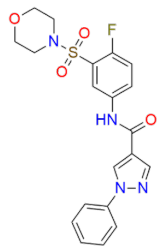
The **Library of Bioactive Compounds Max** is our most extensive collection, featuring 15337 compounds with known biological activity, including a diverse range of drug candidates, tool compounds, metabolites, prodrugs, and approved drugs.

- Each compound is fully annotated with detailed biological activity data and supported by literature references, ensuring comprehensive and up-to-date information.
- We also offer custom synthesis and compound sourcing, allowing access to nearly any compound through our in-house capabilities, making this library an invaluable resource for drug discovery, repurposing, and research applications.

**Related Terms:** bioactivity, biological targeting, GPCR, carbonic anhydrase, ligand-gated ion channel.

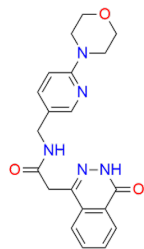


# Highlights



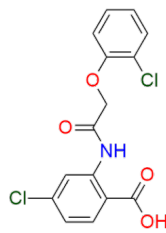
EBC-65074

This compound is an inhibitor of Farnesoid X receptor.



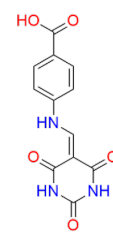
EBC-08969

This compound is an inhibitor of poly polymerase 1.



EBC-157131

CBA is a potent and selective inhibitor of the cation channel TRPM4, with an IC50 of 1.1  $\mu$ M.



EBC-291143

This compound inhibits acetylcholinesterase and carbonic anhydrases CA II and CA I.

## Library Composition

Name	Occurrence in the library, times
Oxidoreductases	1101
Carbonic anhydrases	567
Acetylcholine turnover	448
Hydrolases	361
5-Hydroxytryptamine receptors	333
S1: Chymotrypsin	315
Catecholamine turnover	307
Transient Receptor Potential channels (TRP)	301
Histone deacetylases (HDACs)	259
Prostaglandin synthases	231
3C. 3-Ketosteroid receptors	228
Dioxygenases	217
Bromodomain kinase (BRDK) family	217

Adenosine receptors	213
CYP2 family: drug metabolising subset	207
Poly ADP-ribose polymerases	207
Dopamine receptors	205
"Phosphodiesterases, 3',5'-cyclic nucleotide (PDEs)"	180
Adrenoceptors	178
Voltage-gated potassium channels ( $K_{v}$ )	169
Others	162
Metabotropic glutamate receptors	160
Nicotinic acetylcholine receptors (nACh)	153
Ionotropic glutamate receptors	148
Type I RTKs: ErbB (epidermal growth factor) receptor family	148
Histamine receptors	147
Nitric oxide synthases	139
CYP1 family	139
Monoamine transporter subfamily	139
GABA <sub>A</sub> receptors	130
Lipoxygenases	130
Voltage-gated sodium channels ( $Na_{v}$ )	129
"CYP11, CYP17, CYP19, CYP20 and CYP21 families"	127

Receptor tyrosine phosphatase (RTP) family	121
M24: Methionyl aminopeptidase	118
Glycosidases	117
Histone demethylases	115
Cannabinoid receptors	109
3A. Estrogen receptors	109
"Type III RTKs: PDGFR, CSFR, Kit, FLT3 receptor family"	109
CFTR	100
M10: Matrix metallopeptidase	100
Aurora kinase (Aur) family	100
Janus kinase (JakA) family	99
C1: Papain	94
Class A Orphans	94
Src family	90
Protein arginine N-methyltransferases	87
Acetylcholine receptors (muscarinic)	87
Type IV RTKs: VEGF (vascular endothelial growth factor) receptor family	87
p38 subfamily	84
E3 ubiquitin ligase components	82
Trace amine receptor	82

GSK subfamily	82
Free fatty acid receptors	79
Histone methyltransferases (HMTs)	76
S9: Prolyl oligopeptidase	73
Heat shock proteins	69
JNK subfamily	67
Hydroxycarboxylic acid receptors	66
Receptor interacting protein kinase (RIPK) family	64
Casein kinase 1 (CK1) family	63
Aryl hydrocarbon receptor	61
Voltage-gated calcium channels (Ca <sub>v</sub> )	61
Type V RTKs: FGF (fibroblast growth factor) receptor family	60
Interleukin-1 receptor-associated kinase (IRAK) family	60
C44: Phosphoribosyl pyrophosphate amidotransferase	60
Blood coagulation components	60
Histone acetyltransferases (HATs)	58
Chemokine receptors	58
ABCG subfamily	57
Tubulins	57
P2X receptors	55

Tec family	55
ABCC subfamily	52
Leucine-rich repeat kinase (LRRK) family	52
Sigma receptors	51
Rho kinase	49
M28: Aminopeptidase Y	48
Non-enzymatic BRD containing proteins	48
CYP3 family	46
1C. Peroxisome proliferator-activated receptors	46
"Calcium- and sodium-activated potassium channels (K <sub>Ca</sub> , K <sub>Na</sub> )"	46
PIM family	46
CDK1 subfamily	45
Polo-like kinase (PLK) family	45
Casein kinase 2 (CK2) family	45
ABCB subfamily	43
Neuropeptide Y receptors	43
Lysyl oxidases	43
3B. Estrogen-related receptors	43
SLC40 iron transporter	42
M2: Angiotensin-converting enzymes (ACE and ACE2)	42

Melatonin receptors	40
Acyltransferases	40
Organic anion transporters (OATs)	40
CCRK subfamily	39
IKK family	39
Tachykinin receptors	39
Glycine transporter subfamily	37
UDP glucuronosyltransferases (UGT)	36
DNA topoisomerases	36
A1: Pepsin	36
Prostanoid receptors	36
CDK4 subfamily	36
GABA transporter subfamily	36
RAS subfamily	36
Two-pore domain potassium channels (K <sub>2P</sub> )	34
C19: Ubiquitin-specific protease	34
Lanosterol biosynthesis pathway	34
Phosphatidylinositol kinases	34
"CYP39, CYP46 and CYP51 families"	33
11. Vitamin D receptor-like receptors	33

Taste 1 receptors	•	31
5-HT <sub>3</sub> receptors	•	31
"Phosphatidylinositol-4,5-bisphosphate 3-kinase family"	•	31
Abl family	•	31
RAF family	•	30
Prolyl hydroxylases	•	30
PDK1 family	•	30
Opioid receptors	•	30
M1: Aminopeptidase N	•	28
STAT transcription factors	•	28
Pyruvate kinases (EC 2.7.1.40)	•	28
MKN subfamily	•	28
C14: Caspase	•	28
CLK family	•	27
Type XIII RTKs: Ephrin receptor family	•	27
Fak family	•	27
Adenosine turnover	•	25
ERK subfamily	•	25
ATPases	•	24
2-Acylglycerol ester turnover	•	22



Lysophospholipid (S1P) receptors	•	22
Inwardly rectifying potassium channels (K <sub>IR</sub> )	•	22
STE7 family	•	22
1H. Liver X receptor-like receptors	•	21
Organic cation transporters (OCT)	•	21
Toll-like receptor family	•	21
M12: Astacin/Adamalysin	•	21
IRE family	•	21
Basic leucine zipper domain TFs	•	21
Vasopressin and oxytocin receptors	•	21
SLC7 family	•	21
NOD-like receptor family	•	21
PDHK family	•	21
Amino acid hydroxylases	•	19
Transglutaminases	•	19
Formylpeptide receptors	•	19
Angiotensin receptors	•	19
"CYP5, CYP7 and CYP8 families"	•	19
Transthyretin	•	19
4A. Nerve growth factor IB-like receptors	•	19

Glycine receptors	18
B-cell lymphoma 2 (Bcl-2) protein family	18
SLC16 family of monocarboxylate transporters	18
"Akt (Protein kinase B, PKB) family"	18
Iota subfamily	18
Integrins	18
GABA <sub>B</sub> receptors	16
SLCO family of organic anion transporting polypeptides	16
Type II RTKs: Insulin receptor family	16
Endothelin receptors	16
CHK1 subfamily	16
Type XII RTKs: TIE family of angiopoietin receptors	16
Type X RTKs: HGF (hepatocyte growth factor) receptor family	15
GABA turnover	15
Type VII RTKs: Neurotrophin receptor/Trk family	15
Other PIKK family kinases	15
STE11 family	15
Urate transporter	13
Csk family	13
Fatty acid-binding proteins	13

RSK subfamily	13
Syk family	13
SGK family	13
C48: Ulp1 endopeptidase	13
Kelch-like proteins	13
AMPK subfamily	13
Sugar phosphatases	13
Dyrk1 subfamily	13
LIMK subfamily	12
Organic zwitterions/cation transporters (OCTN)	12
GRK4 subfamily	12
CIC family	12
Bile acid receptor	12
Succinate receptor	12
C2: Calpain	12
CDK8 subfamily	12
Orexin receptors	12
CAMK-unique family	12
SLC29 family	10
Cholecystokinin receptors	10

Kynurenine 3-monooxygenase	10
P2Y receptors	10
NADPH oxidases	10
Alanine/serine/cysteine transporter subfamily	10
Class C Orphans	10
Class I transporters	10
Cyclic GMP-AMP synthase	10
HIPK subfamily	10
Death-associated kinase (DAPK) family	10
VIP and PACAP receptors	10
Phospholipase A <sub>2</sub>	10
Calcium activated chloride channel (CaCC)	10
Alpha subfamily	10
Nucleotide turnover	9
Relaxin family peptide receptors	9
p70 subfamily	9
Melanocortin receptors	9
Carboxylases	9
1-phosphatidylinositol 4-kinase family	9
Class Frizzled GPCRs	9

Glycoprotein hormone receptors	9
Type XIV RTKs: RET	9
NAK family	9
M14: Carboxypeptidase A	9
Peptidyl-prolyl cis/trans isomerases	9
C13: Legumain	9
Calcium-sensing receptor	9
CDK9 subfamily	9
Taste 2 receptors	9
Thyroid hormone turnover	9
SLC15 family of peptide transporters	9
SRPK family	9
MAPKAPK subfamily	9
Type I receptor serine/threonine kinases	7
SLC18 family of vesicular amine transporters	7
Somatostatin receptors	7
P2A P-type ATPases: Ca <sup>2+</sup> -ATPases	7
SLC3 family	7
Decarboxylases	7
Arginase	7

S10: Carboxypeptidase Y	7
"GPR18, GPR55 and GPR119"	7
CRK7 subfamily	7
"CYP24, CYP26 and CYP27 families"	7
Glucagon receptor family	7
Proteinase-activated receptors	7
Haem oxygenase	7
S8: Subtilisin	7
"Type XI RTKs: TAM (TYRO3-, AXL- and MER-TK) receptor family"	7
Methyltransferases	7
"Sodium iodide symporter, sodium-dependent multivitamin transporter and sodium-coupled monocarboxylate transporters"	7
Lysophospholipid (LPA) receptors	7
Glutamate transporter subfamily	7
MAST family	7
MST subfamily	7
Hydrogen sulphide synthesis	7
Choline transporter	6
Type XVII RTKs: ROS receptors	6
Neuropeptide FF/neuropeptide AF receptors	6
Gonadotrophin-releasing hormone receptors	6

Pyrimidine salvage	6
Purine-nucleoside phosphorylase	6
Galanin receptors	6
2E. Tailless-like receptors	6
MARK subfamily	6
Platelet-activating factor receptor	6
Phosphatidylinositol 3-kinase family	6
MSN subfamily	6
Neutral sphingomyelinase coupling factors	6
Acid-sensing (proton-gated) ion channels (ASICs)	6
T1: Proteasome	6
Sphingomyelin synthase	6
Serine palmitoyltransferase	6
NIMA (never in mitosis gene a)- related kinase (NEK) family	6
Delta subfamily	6
<i>N</i>-Acylethanolamine turnover	6
M13: Nephilysin	6
SLC27 family of fatty acid transporters	6
1F. Retinoic acid-related orphans	6
Bombesin receptors	4

QIK subfamily	4
SLC47 family of multidrug and toxin extrusion transporters	4
PAKA subfamily	4
Leukotriene receptors	4
SLC52 family of riboflavin transporters	4
Atypical SLC22B subfamily	4
Exchange protein activated by cyclic AMP (EPACs)	4
CYP4 family	4
CAMK1 family	4
Adenylyl cyclases (ACs)	4
Cyclic nucleotide-regulated channels (CNG)	4
5A. Fushi tarazu F1-like receptors	4
Sialic acid transporter	4
TAO subfamily	4
TIF1 family	4
Hexose transporter family	4
TAK1 subfamily	4
C12: Ubiquitin C-terminal hydrolase	4
Chloride/bicarbonate exchangers	4
Prokineticin receptors	4



SLC14 family of facilitative urea transporters	4
Transmembrane guanylyl cyclases	4
Glutaminases	3
Apelin receptor	3
Ceramide glucosyltransferase	3
Unc-51-like kinase (ULK) family	3
STE20 subfamily	3
NKF2 family	3
Beta-adrenergic receptor kinases (&beta;ARKs)	3
SLC65 NPC-type cholesterol transporters	3
Bradykinin receptors	3
Adiponectin receptors	3
SLC12 family of cation-coupled chloride transporters	3
G11 family	3
ABCA subfamily	3
STE-unique family	3
ILK subfamily	3
Sphingomyelin phosphodiesterase	3
Myosin Light Chain Kinase (MLCK) family	3
SLC13 family of sodium-dependent sulphate/carboxylate transporters	3

Corticotropin-releasing factor receptors	3
WEE family	3
ATR subfamily	3
Phosphatidylinositol phosphate kinases	3
MLK subfamily	3
Protein kinase A (PKA) family	3
Tumour necrosis factor (TNF) receptor family	3
Phosphoinositide-specific phospholipase C	3
SLC36 family of proton-coupled amino acid transporters	3
Dimethylarginine dimethylaminohydrolases	3
Acid ceramidase	3
Ack family	3
Neurotensin receptors	3
Glutathione transferases	3
Type XIX RTKs: Leukocyte tyrosine kinase (LTK) receptor family	3
Tau tubulin kinase (TTBK) family	3
KHS subfamily	3
Dyrk2 subfamily	3
Meta subfamily	3
CDC7 family	3

M49: Dipeptidyl-peptidase III	3
Numb-associated kinase (NAK) family	3
Prolactin receptor family	3
TAIRE subfamily	3
P4 P-type ATPases: Phospholipid-transporting ATPases	3
A22: Presenilin	1
"Inositol 1,4,5-trisphosphate 3-kinases"	1
Other PEK family kinases	1
SLC28 family	1
Hexokinases	1
Type II receptor serine/threonine kinases	1
NuaK subfamily	1
SLC54 Mitochondrial pyruvate carriers	1
G protein-coupled estrogen receptor	1
PASK subfamily	1
Ryanodine receptors (RyR)	1
Mitochondrial uncoupling proteins	1
H <sup>+</sup> /K <sup>+</sup> -ATPases	1
CDK5 subfamily	1
Inhibitors of apoptosis (IAP) protein family	1

SLC30 zinc transporter family	1
Connexins and Pannexins	1
Melanin-concentrating hormone receptors	1
Mitofusin proteins	1
Wnk family	1
Mitochondrial-associated proteins	1
Peptidyl arginine deiminases (PADI)	1
Class II transporters	1
Fer family	1
CatSper and Two-Pore channels (TPC)	1
Motilin receptor	1
MSK subfamily	1
Aquaporins	1
SLC20 family of sodium-dependent phosphate transporters	1
Immunoglobulin like domain containing proteins	1
TKL-unique family	1
Pyruvate dehydrogenase kinase (PDHK) family	1
RCK family	1
S28: Lysosomal Pro-Xaa carboxypeptidase	1
Eta subfamily	1

Lipid phosphate phosphatases	•	1
Opsin receptors	•	1
Cyclin-dependent kinase-like (CDKL) family	•	1
Type XVIII RTKs: LMR family	•	1
2B. Retinoid X receptors	•	1
Opsin/rhodopsin kinases	•	1
SLK subfamily	•	1
SLC34 family of sodium phosphate co-transporters	•	1
CAMK2 family	•	1
Urotensin receptor	•	1
SLC11 family of proton-coupled metal ion transporters	•	1
RIO2 subfamily	•	1
Methyllysine reader proteins	•	1
Inositol polyphosphate phosphatases	•	1
MELK subfamily	•	1
Calcitonin receptors	•	1
LKB subfamily	•	1
CDK7 subfamily	•	1
Immunoglobulin C1-set domain-containing proteins	•	1
R4 family	•	1

Inositol monophosphatase	•	1
M17: Leucyl aminopeptidase	•	1
C54: Aut2 peptidase	•	1
PAKB subfamily	•	1
M79: Prenyl protease 2	•	1
Leukotriene and lipoxin metabolism	•	1
SLC10 family of sodium-bile acid co-transporters	•	1
M16: Pitrilysin	•	1
RIO3 subfamily	•	1
SLC19 family of vitamin transporters	•	1
IL-6 receptor family	•	1
Orphan or poorly characterized SLC22 family members	•	1
Vesicular nucleotide transporter	•	1
SLC35 family of nucleotide sugar transporters	•	1
Neuromedin U receptors	•	1