# Bioactive Compounds Max

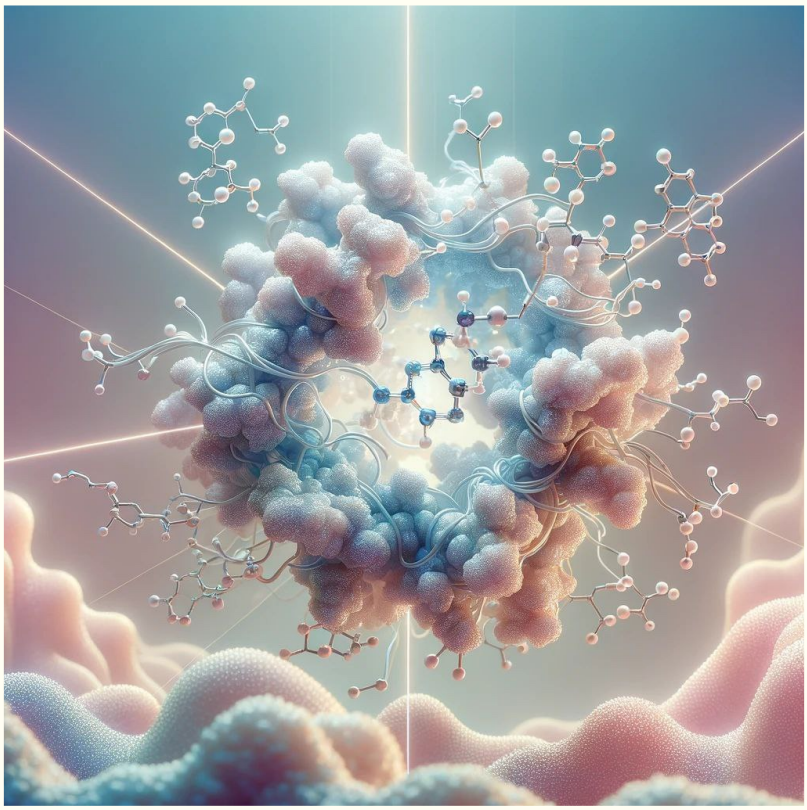


The **Library of Bioactive Compounds Max** is our most extensive collection, featuring 15335 compounds with known biological activity, including a diverse range of drug candidates, tool compounds, metabolites, prodrugs, and approved drugs.

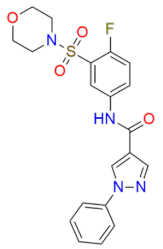
• Each compound is fully annotated with detailed biological activity data and supported by literature references, ensuring comprehensive and up-to-date information.

• 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.

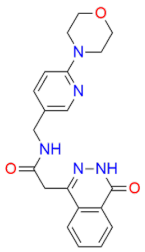
***Related Terms:*** *bioactivity, biological targeting, GPCR, carbonic anhydrase, ligand-gated ion channel.*



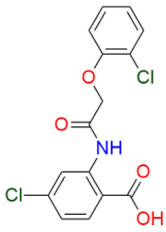
# Highlights



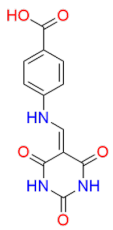
EBC-65074
This compound is an inhibitor of Farnesoid X receptor.



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 μM.



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<sub>v</sub>) | 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<sub>V</sub>) | 129 |
| "CYP11, CYP17, CYP19, CYP20 and CYP21 families" | 127 |

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|---|---|
| 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 |

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|---|---|
| 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 |

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|---|---|
| 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 |
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| CDK1 subfamily | 45 |
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| ABCB subfamily | 43 |
| Neuropeptide Y receptors | 43 |
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| 3B. Estrogen-related receptors | 43 |
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| M2: Angiotensin-converting enzymes (ACE and ACE2) | 42 |

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| Melatonin receptors | 40 |
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| Organic anion transporters (OATs) | 40 |
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| IKK family | 39 |
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| UDP glucuronosyltransferases (UGT) | 36 |
| DNA topoisomerases | 36 |
| A1: Pepsin | 36 |
| Prostanoid receptors | 36 |
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| 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 |
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| "Phosphatidylinositol-4,5-bisphosphate 3-kinase family" | 31 |
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| Prolyl hydroxylases | 30 |
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| STAT transcription factors | 28 |
| Pyruvate kinases (EC 2.7.1.40) | 28 |
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| Type XIII RTKs: Ephrin receptor family | 27 |
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| Inwardly rectifying potassium channels (K<sub>IR</sub>) | 22 |
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| Toll-like receptor family | 21 |
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| Vasopressin and oxytocin receptors | 21 |
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| NOD-like receptor family | 21 |
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| 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 |

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| 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 |
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| 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 |
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|---|---|
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| Syk family | 13 |
| SGK family | 13 |
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| AMPK subfamily | 13 |
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| Dyrk1 subfamily | 13 |
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| GRK4 subfamily | 12 |
| ClC 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 |

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|---|---|
| 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 |

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|---|---|
| Glycoprotein hormone receptors | 9 |
| Type XIV RTKs: RET | 9 |
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| 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 |

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|---|---|
| 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 |
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| "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 |

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|---|---|
| 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 |
| N-Acylethanolamine turnover | 6 |
| M13: Neprilysin | 6 |
| SLC27 family of fatty acid transporters | 6 |
| 1F. Retinoic acid-related orphans | 6 |
| Bombesin receptors | 4 |

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|---|---|
| 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 |

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|---|---|
| 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 (βARKs) | 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 |

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|---|---|
| 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 |

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|---|---|
| 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 |

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|---|---|
| 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 |

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|---|---|
| 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 |

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|---|---|
| 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 |