

Bioactive Compounds II

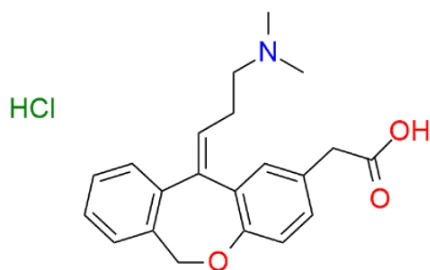
Bioactive Library II is a collection of 3872 compounds with annotated biological activity. This collection is based on **Bioactive Library I** and contains compounds with sub-one micromolar activity coefficient values only.

- Fully annotated: all compounds are provided with literature references and detailed and up to date biological activity data.
- Custom Synthesis and Compound Sourcing: we can supply almost any compound either via in-house synthesis or using our supplier network.

Related terms: *GPCR, carbonic anhydrase, ligand-gated ion channel, receptor tyrosine kinase, RTK, nRTK, cytochrome P450, voltage-gated ion channel, oxidoreductase, catecholamine turnover*



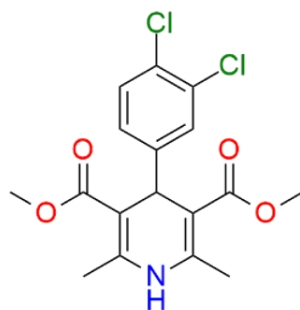
Highlights



EBC-11262

CAS: 140462-76-6

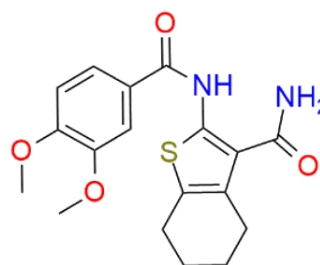
Olopatadine is a selective histamine H1 antagonist and mast cell stabilizer that works by attenuating inflammatory and allergic reactions.



EBC-08734

CAS: 303101-05-5

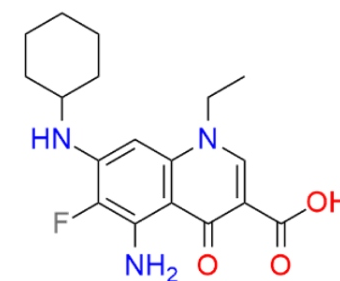
DHP-053 is a blocker of voltage-dependent L-type calcium channel.



EBC-00624

CAS: 301305-73-7

TCS 359 is an inhibitor of receptor-type tyrosine-protein kinase FLT3.



EBC-13476

CAS: 836620-48-5

AS1842856 is a specific Foxo1 inhibitor, it potently suppresses autophagy.

Library Composition

Name	Occurrence in the library, times
G protein-coupled receptors	963
Carbonic anhydrases	522
Ligand-gated ion channels	226
Receptor tyrosine kinases (RTKs)	179
Cytochrome P450	124
Voltage-gated ion channels	107
1.-.- Oxidoreductases	105
Catecholamine turnover	94
Non-receptor tyrosine kinases (nRTKs)	90
Eicosanoid turnover	88
Acetylcholine turnover	84

Steroid hormone receptors	•	84
Chromatin modifying enzymes	•	67
Potassium channels	•	66
Hydrolases	•	64
SLC6 neurotransmitter transporter family	•	63
Nuclear hormone receptors	•	53
ATP-binding cassette transporter family	•	48
Endocannabinoid turnover	•	44
Sigma receptors	•	40
MA: Metallo (M) Peptidases	•	40
Poly ADP-ribose polymerases	•	38
SLC superfamily of solute carriers	•	38
L-Arginine turnover	•	34

SLC22 family of organic cation and anion transporters	•	32
PA: Serine (S) Peptidases	•	32
Mitogen-activated protein kinases (MAP kinases)	•	26
Orphan and other 7TM receptors	•	25
Cyclin-dependent kinase (CDK) family	•	24
CAMK: Calcium/calmodulin-dependent protein kinases	•	23
Cyclic nucleotide turnover/signalling	•	23
CAMK-like (CAMKL) family	•	22
MG: Metallo (M) Peptidases	•	20
Aryl hydrocarbon receptor complex	•	20
CMGC: Containing CDK, MAPK, GSK3, CLK families	•	20
CA: Cysteine (C) Peptidases	•	20
Chloride channels	•	20

AGC: Containing PKA, PKG, PKC families	•	18
Glycogen synthase kinase (GSK) family	•	17
Lanosterol biosynthesis pathway	•	17
Catalytic receptors	•	16
SC: Serine (S) Peptidases	•	15
Glycerophospholipid turnover	•	14
CD: Cysteine (C) Peptidases	•	12
Dual-specificity tyrosine-(Y)-phosphorylation regulated kinase (DYRK) family	•	12
RAF family	•	11
CKI: Casein kinase 1	•	11
Casein kinase 2 (CK2) family	•	11
E3 ubiquitin ligase components	•	11
STE20 family	•	10

Tubulins	•	10
Protein kinase C (PKC) family	•	10
Receptor serine/threonine kinase (RSTK) family	•	10
1.13.11.- Dioxygenases	•	9
STE: Homologs of yeast Sterile 7, Sterile 11, Sterile 20 kinases	•	8
Heat shock proteins	•	8
Pattern recognition receptors	•	8
Adenosine turnover	•	7
SLC28 and SLC29 families of nucleoside transporters	•	7
Bromodomain-containing proteins	•	7
Ceramide turnover	•	7
Transcription factors	•	7
RSK family	•	6

IKK family	•	6
Interleukin-1 receptor-associated kinase (IRAK) family	•	6
NADPH oxidases	•	6
PB: Threonine (T) Peptidases	•	6
SLC5 family of sodium-dependent glucose transporters	•	6
DMPK family	•	5
NAK family	•	5
MH: Metallo (M) Peptidases	•	5
Carrier proteins	•	4
Aurora kinase (Aur) family	•	4
Numb-associated kinase (NAK) family	•	4
DNA topoisomerases	•	4
Bromodomain kinase (BRDK) family	•	4

CD molecules	•	4
Phosphatidylinositol 3' kinase-related kinases (PIKK) family	•	4
Leucine-rich repeat kinase (LRRK) family	•	4
SLC2 family of hexose and sugar alcohol transporters	•	4
Viral protein targets	•	3
1.4.3.13 Lysyl oxidases	•	3
2.1.1.- Methyltransferases	•	3
3.2.1.- Glycosidases	•	3
Alpha kinase family	•	3
WEE family	•	3
Fatty acid-binding proteins	•	3
Mixed Lineage Kinase (MLK) family	•	3
IRE family	•	3

LIM domain kinase (LISK) family	•	3
1.14.13.9 Kynurenine 3-monooxygenase	•	2
AA: Aspartic (A) Peptidases	•	2
Adiponectin receptors	•	2
F-type and V-type ATPases	•	2
SLC1 family of amino acid transporters	•	2
Amino acid hydroxylases	•	2
G protein-coupled receptor kinases (GRKs)	•	2
Lipid modifying kinases	•	2
MC: Metallo (M) Peptidases	•	2
RIO family	•	2
Receptor interacting protein kinase (RIPK) family	•	2
NIMA (never in mitosis gene a)- related kinase (NEK) family	•	2

TKL-unique family	•	2
2.3.1.- Acyltransferases	•	1
2.4.2.1 Purine-nucleoside phosphorylase	•	1
TTK family	•	1
CAMKK family	•	1
Cytokine receptor family	•	1
5.2.-.- Cis-trans-isomerases	•	1
G-alpha family G(q) subfamily	•	1
GABA turnover	•	1
Immunoglobulin like domain containing proteins	•	1
Inositol phosphate turnover	•	1
Kelch-like proteins	•	1
MAPK-Activated Protein Kinase (MAPKAPK) family	•	1

MP: Metallo (M) Peptidases	•	1
Hydrogen sulphide synthesis	•	1
Carboxylases and decarboxylases	•	1
Haem oxygenase	•	1
Nucleotide turnover	•	1
P-type ATPases	•	1
P2C P-type ATPases	•	1
Polo-like kinase (PLK) family	•	1
Other ion channels	•	1
SB: Serine (S) Peptidases	•	1
Thyroid hormone turnover	•	1