



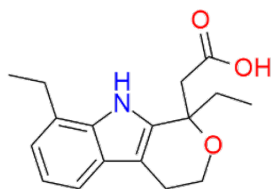
Bioactive Library III is a collection of 1443 compounds with annotated biological activity. This collection is based on **Bioactive Library I** and contains compounds with sub-ten nanomolar activity coefficient values only.

- 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: *carbonic anhydrase, D2 receptor, H1 receptor, 5-HT2A, fatty acid amide hydrolase, D3, epidermal growth factor, SERT, acetylcholinesterase*

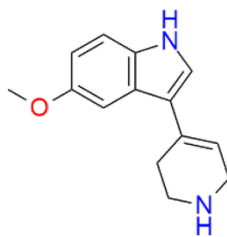


Highlights



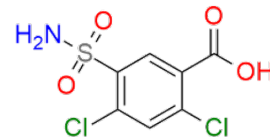
EBC-11162

Etodolac is a non-steroidal anti-inflammatory drug (NSAID). It is indicated for relief of signs and symptoms of rheumatoid arthritis and osteoarthritis.



EBC-06639

RU 24969 is a 5-hydroxytryptamine receptor 1b inhibitor with K_i (inhibition constant) = 0.43 nM



EBC-03656

2,4-Dichloro-5-sulfamoylbenzoic acid is a carbonic anhydrase inhibitor with K_d (dissociation constant) = 0.14 nM

Library Composition

Name	Occurrence in the library, times
carbonic anhydrase 2	50
carbonic anhydrase 12	36
D2 receptor	33
H1 receptor	33
5-HT _{2A} receptor	32
Fatty acid amide hydrolase	23
D3 receptor	22
carbonic anhydrase 9	22
5-HT _{2C} receptor	21
carbonic anhydrase 7	20
5-HT _{1A} receptor	19
α 1A-adrenoceptor	19
epidermal growth factor receptor	18

SERT	18
acetylcholinesterase (Cartwright blood group)	16
M1 receptor	16
Kv11.1	15
epoxide hydrolase 2	15
carbonic anhydrase 1	14
α 1B-adrenoceptor	14
M3 receptor	14
β 2-adrenoceptor	14
5-HT1B receptor	14
D1 receptor	14
5-HT2B receptor	13
5-HT3A	13
COX-1	13
sigma non-opioid intracellular receptor 1	13
5-HT1D receptor	13
Cav1.1	13
M2 receptor	12
Androgen receptor	12
GABAA receptor α 1 subunit	11

α1D-adrenoceptor	10
GABAA receptor β2 subunit	10
GABAA receptor δ subunit	10
α2B-adrenoceptor	10
dipeptidyl peptidase 4	10
Estrogen receptor-β	10
kinase insert domain receptor	10
Monoamine oxidase B	10
COX-2	10
serine protease 1	10
erb-b2 receptor tyrosine kinase 2	10
5-HT7 receptor	9
Glucocorticoid receptor	9
D4 receptor	9
A1 receptor	9
M4 receptor	9
β1-adrenoceptor	9
5-HT6 receptor	8
platelet derived growth factor receptor alpha	8
platelet derived growth factor receptor beta	8

dihydrofolate reductase	8
carbonic anhydrase 14	8
CYP1A2	7
Peroxisome proliferator-activated receptor- γ	7
GABAA receptor β 3 subunit	7
GABAA receptor γ 2 subunit	7
Progesterone receptor	7
AT1 receptor	7
α 2A-adrenoceptor	7
A2A receptor	7
Cav1.2	7
histone deacetylase 1	6
GABAA receptor α 5 subunit	6
MDM2 proto-oncogene	6
ABCB1	6
Angiotensin-converting enzyme	6
TRPV1	6
butyrylcholinesterase	5
α 2C-adrenoceptor	5
MT1 receptor	5

Organic cation transporter 1	5
Organic cation transporter 3	5
M5 receptor	5
phosphodiesterase 5A	5
Janus kinase 1	5
Janus kinase 2	5
CXCR4	5
colony stimulating factor 1 receptor	5
ret proto-oncogene	5
GABAA receptor α 3 subunit	5
CYP19A1	5
Janus kinase 3	5
CCR5	5
H3 receptor	5
μ receptor	5
coagulation factor X	5
tubulin alpha 1a	5
LCK proto-oncogene, Src family tyrosine kinase	4
ETA receptor	4
ETB receptor	4

histone deacetylase 2	4
histone deacetylase 3	4
histone deacetylase 6	4
histone deacetylase 5	4
Aryl hydrocarbon receptor	4
CYP11B1	4
GABAA receptor α 2 subunit	4
Mineralocorticoid receptor	4
AKR1C3	4
DAT	4
Monoamine oxidase A	4
MT2 receptor	4
A3 receptor	4
sepiapterin reductase	4
cyclin dependent kinase 4	4
cyclin dependent kinase 6	4
ALK receptor tyrosine kinase	4
c-ros oncogene 1, receptor tyrosine kinase	4
Kir6.2	4
NK1 receptor	4

mitogen-activated protein kinase 14	4
AKT serine/threonine kinase 1	4
carboxylesterase 1	4
MC3 receptor	4
fms related receptor tyrosine kinase 4	4
fms related receptor tyrosine kinase 1	4
B-Raf proto-oncogene, serine/threonine kinase	3
GPR17	3
glycogen synthase kinase 3 alpha	3
5-HT3B	3
Bruton tyrosine kinase	3
P2X7	3
ABCG2	3
CYP11B2	3
CYP17A1	3
ATP-binding cassette, sub-family C (CFTR/MRP), member 8	3
ABL proto-oncogene 1, non-receptor tyrosine kinase	3
carbonic anhydrase 4	3
fms related receptor tyrosine kinase 3	3
NET	3

leucine rich repeat kinase 2	-	3
interleukin 1 receptor associated kinase 4	-	3
leukocyte receptor tyrosine kinase	-	3
integrin, alpha M subunit (complement component 3 receptor 3 subunit)	-	3
Kir6.1	-	3
mGlu1 receptor	-	3
neurotrophic receptor tyrosine kinase 1	-	3
pancreatic lipase	-	3
MET proto-oncogene, receptor tyrosine kinase	-	3
glycogen synthase kinase 3 beta	-	3
hydroxymethylglutaryl-CoA reductase	-	3
CysLT1 receptor	-	3
Raf-1 proto-oncogene, serine/threonine kinase	-	3
MMP13	-	3
coagulation factor II, thrombin	-	3
Angiotensin-converting enzyme 2	-	3
Sodium/glucose cotransporter 2	-	3
Insulin receptor	-	3
SRC proto-oncogene, non-receptor tyrosine kinase	-	3
NTS1 receptor	-	2

BLK proto-oncogene, Src family tyrosine kinase	•	2
BMX non-receptor tyrosine kinase	•	2
SST1 receptor	•	2
SST3 receptor	•	2
SST4 receptor	•	2
transthyretin	•	2
CB1 receptor	•	2
GABAA receptor α 4 subunit	•	2
5-HT _{1e} receptor	•	2
ABCC9	•	2
FER tyrosine kinase	•	2
TRPA1	•	2
UDP-glucose ceramide glucosyltransferase	•	2
nicotinic acetylcholine receptor α 4 subunit	•	2
nicotinic acetylcholine receptor β 2 subunit	•	2
5-HT ₄ receptor	•	2
steroid 5 α -reductase 2	•	2
Phenylethanolamine N-methyltransferase	•	2
mGlu5 receptor	•	2
Equilibrative nucleoside transporter 2	•	2

CYP51A1	•	2
AP2 associated kinase 1	•	2
discoidin domain receptor tyrosine kinase 2	•	2
$\sigma 2$	•	2
histone deacetylase 9	•	2
Nav1.1	•	2
spleen associated tyrosine kinase	•	2
erb-b2 receptor tyrosine kinase 4	•	2
farnesyl diphosphate synthase	•	2
Catechol-O-methyltransferase	•	2
AT2 receptor	•	2
Neutral endopeptidase	•	2
proteasome 20S subunit beta 5	•	2
cyclin dependent kinase 7	•	2
Inducible NOS	•	2
transforming growth factor beta receptor 1	•	2
Vesicular monoamine transporter 2	•	2
Rho associated coiled-coil containing protein kinase 2	•	2
cyclin dependent kinase 1	•	2
cyclin dependent kinase 2	•	2

microtubule affinity regulating kinase 3	•	2
maternal embryonic leucine zipper kinase	•	2
phosphatidylinositol 3-kinase catalytic subunit type 3	•	2
protein kinase C zeta	•	2
Methionyl aminopeptidase 1	•	2
Monoacylglycerol lipase	•	2
A2B receptor	•	2
neurotrophic receptor tyrosine kinase 3	•	2
topoisomerase (DNA) I mitochondrial	•	2
GPR119	•	2
EP4 receptor	•	2
GPR6	•	2
checkpoint kinase 1	•	2
poly(ADP-ribose) polymerase 1	•	2
5-HT5A receptor	•	2
Organic cation transporter 2	•	2
FPR1	•	2
Sodium/glucose cotransporter 1	•	2
PAF receptor	•	2
β 3-adrenoceptor	•	2

CXCR1	2
Folate hydrolase (prostate-specific membrane antigen) 1	2
Thyroid hormone receptor- α	2
phosphodiesterase 4D	2
CFTR	2
CD4	2
CYP1A1	2
κ receptor	2
mitogen-activated protein kinase kinase kinase 3	2
GPR55	1
GPR183	1
GABAB2	1
5-HT _{1F} receptor	1
GluN2B	1
OT receptor	1
TA1 receptor	1
G protein subunit alpha q	1
C-terminal Src kinase	1
Organic anion transporter 1	1
CHT	1

advanced glycosylation end-product specific receptor	-	1
Equilibrative nucleoside transporter 1	-	1
casein kinase 2, alpha 1 polypeptide subunit	-	1
serine/threonine kinase 17b	-	1
tyrosine kinase 2	-	1
Pregnane X receptor	-	1
discoidin domain receptor tyrosine kinase 1	-	1
ZAK sterile alpha motif and leucine zipper containing kinase AZK	-	1
FP receptor	-	1
LH receptor	-	1
H4 receptor	-	1
5-HT3AB	-	1
GPRC6 receptor	-	1
LPA1 receptor	-	1
Vitamin D receptor	-	1
CYP1B1	-	1
protein kinase C eta	-	1
chymotrypsin like elastase 1	-	1
elastase, neutrophil expressed	-	1
proteasome 20S subunit beta 2	-	1

CaS receptor	•	1
CBR1	•	1
HPGD	•	1
TLR2	•	1
activin A receptor type 1B	•	1
Insulin-like growth factor I receptor	•	1
aurora kinase C	•	1
BR serine/threonine kinase 1	•	1
BR serine/threonine kinase 2	•	1
calcium/calmodulin dependent protein kinase I	•	1
calcium/calmodulin dependent protein kinase ID	•	1
calcium/calmodulin dependent protein kinase IG	•	1
mitogen-activated protein kinase kinase kinase 10	•	1
mitogen-activated protein kinase kinase kinase 2	•	1
p21 (RAC1) activated kinase 2	•	1
serine/threonine kinase 4	•	1
TAO kinase 3	•	1
testis specific serine kinase 2	•	1
AKT serine/threonine kinase 3	•	1
serine/threonine-protein kinase MST4	•	1

AKT serine/threonine kinase 2	-	1
protein kinase C epsilon	-	1
protein kinase N1	-	1
protein kinase N2	-	1
ribosomal protein S6 kinase A5	-	1
polo like kinase 3	-	1
SMO	-	1
mixed lineage kinase domain like pseudokinase	-	1
mitogen-activated protein kinase kinase kinase 7	-	1
RXFP1	-	1
unc-51 like autophagy activating kinase 1	-	1
H2 receptor	-	1
calpain 2	-	1
Monocarboxylate transporter 1	-	1
Monocarboxylate transporter 2	-	1
Cav2.2	-	1
CCK1 receptor	-	1
UT receptor	-	1
receptor interacting serine/threonine kinase 2	-	1
p21 (RAC1) activated kinase 1	-	1

phosphatidylinositol-4-phosphate 3-kinase catalytic subunit type 2 beta	•	1
phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit beta	•	1
protein kinase, DNA-activated, catalytic subunit	•	1
Kv9.1	•	1
Adenosine deaminase	•	1
Farnesoid X receptor	•	1
hydroxysteroid 11-beta dehydrogenase 1	•	1
FFA1 receptor	•	1
Nav1.2	•	1
CB2 receptor	•	1
fibroblast growth factor receptor 1	•	1
fibroblast growth factor receptor 3	•	1
Estrogen-related receptor-gamma	•	1
MC4 receptor	•	1
aurora kinase B	•	1
CDC like kinase 1	•	1
CDC like kinase 2	•	1
5-LOX	•	1
S1P5 receptor	•	1
EPH receptor B4	•	1

F-type ATPase α subunit	•	1
MMP14	•	1
DNA topoisomerase I	•	1
DNA topoisomerase II alpha	•	1
Cav1.3	•	1
bromodomain containing 2	•	1
bromodomain testis associated	•	1
NLRP3	•	1
nicotinic acetylcholine receptor $\alpha 3$ subunit	•	1
nicotinic acetylcholine receptor $\beta 4$ subunit	•	1
calcium/calmodulin dependent protein kinase kinase 2	•	1
lipase G, endothelial type	•	1
Diacylglycerol lipase α	•	1
SRSF protein kinase 1	•	1
Plasma membrane monoamine transporter	•	1
TAS2R38	•	1
GnRH1 receptor	•	1
RAR-related orphan receptor- γ	•	1
ATR serine/threonine kinase	•	1
protein kinase C iota	•	1

mGlu6 receptor	1
Pim-1 proto-oncogene, serine/threonine kinase	1
interleukin 1 receptor associated kinase 1	1
KCa1.1	1
death associated protein kinase 3	1
cyclin G associated kinase	1
serine/threonine kinase 16	1
P2Y12 receptor	1
glycine receptor α 1 subunit	1
nicotinic acetylcholine receptor α 7 subunit	1
histone deacetylase 8	1
histone deacetylase 4	1
Retinoic acid receptor- β	1
Retinoic acid receptor- γ	1
Ornithine decarboxylase	1
TLR7	1
TLR8	1
Interferon- γ receptor	1
FKBP prolyl isomerase 1A	1
Peroxisome proliferator-activated receptor- α	1

Adenosine kinase	-	1
S-Adenosylhomocysteine hydrolase	-	1
Endothelial NOS	-	1
nicotinic acetylcholine receptor α 2 subunit	-	1
nicotinic acetylcholine receptor β 3 subunit	-	1
CXCR2	-	1
GLP-1 receptor	-	1
tankyrase 2	-	1
embryonic ectoderm development	-	1
Constitutive androstane receptor	-	1
GluN2C	-	1
Nav1.3	-	1
OATP1A2	-	1
mitogen-activated protein kinase kinase kinase kinase 4	-	1
mGlu4 receptor	-	1
carbonic anhydrase 13	-	1
kallikrein B1	-	1
plasminogen activator, tissue type	-	1
NPC1 like intracellular cholesterol transporter 1	-	1
fibroblast growth factor receptor 2	-	1

inosine monophosphate dehydrogenase 2	-	1
GlyT2	-	1
phosphodiesterase 11A	-	1
Thyroid hormone receptor- β	-	1
Retinoid X receptor- α	-	1
beta-secretase 1	-	1
GPBA receptor	-	1
OATP1B3	-	1
Organic cation/carnitine transporter 1	-	1
zeta chain of T cell receptor associated protein kinase 70	-	1
TRPV2	-	1
mGlu2 receptor	-	1
mGlu3 receptor	-	1
glutaminase	-	1
EP2 receptor	-	1
Tyrosine aminotransferase	-	1
Kir3.4	-	1
GPER	-	1
xanthine dehydrogenase	-	1
Organic anion transporter 3	-	1

IP receptor	-	1
D5 receptor	-	1
proteasome 20S subunit beta 1	-	1
proteasome 20S subunit beta 8	-	1
proteasome 20S subunit beta 9	-	1
RyR2	-	1
kisspeptin receptor	-	1
Nav1.8	-	1
3-phosphoinositide dependent protein kinase 1	-	1
phosphatase and tensin homolog	-	1
integrin, alpha 4 subunit (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	-	1
amine oxidase copper containing 3	-	1
FGR proto-oncogene, Src family tyrosine kinase	-	1
WEE1 G2 checkpoint kinase	-	1
renin	-	1
Alanine/serine/cysteine transporter 2	-	1
Carboxypeptidase A1 (pancreatic)	-	1
inhibitor of nuclear factor kappa B kinase subunit beta	-	1
MMP2	-	1
MMP9	-	1

δ receptor	-	1
phosphodiesterase 4A	-	1
phosphodiesterase 4B	-	1
phosphodiesterase 4C	-	1
ADAM17	-	1
dual specificity tyrosine phosphorylation regulated kinase 1A	-	1
dual specificity tyrosine phosphorylation regulated kinase 1B	-	1
dual specificity tyrosine phosphorylation regulated kinase 2	-	1
activin A receptor type II	-	1
neurotrophic receptor tyrosine kinase 2	-	1
protein tyrosine kinase 2	-	1
casein kinase 1 alpha 1	-	1
serum/glucocorticoid regulated kinase family member 3	-	1
Arginyl aminopeptidase	-	1
tec protein tyrosine kinase	-	1
TXK tyrosine kinase	-	1
PLC γ 2	-	1
CYP27A1	-	1
E1A binding protein p300	-	1
L-Aromatic amino-acid decarboxylase	-	1

Organic anion transporter 2

• 1

bromodomain and PHD finger containing 1

• 1

receptor interacting serine/threonine kinase 1

• 1

heat shock protein 90 beta family member 1

• 1

GABAA receptor β 1 subunit

• 1