Monoamine Oxidase

MAO

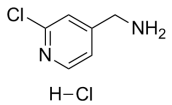
Monoamine oxidases (MAO) are a family of enzymes that catalyze the oxidation of monoamines. They are found bound to the outer membrane of mitochondria in most cell types in the body. They belong to the protein family of flavin-containing amine oxidoreductases. Monoamine oxidases catalyze the oxidative deamination of monoamines. Oxygen is used to remove an amine group from a molecule, resulting in the corresponding aldehyde and ammonia. Monoamine oxidases contain the covalently bound cofactor FAD and are, thus, classified as flavoproteins. Because of the vital role that MAOs play in the inactivation of neurotransmitters, MAO dysfunction is thought to be responsible for a number of psychiatric and neurological disorders. MAO-A inhibitors act as antidepressant and antianxiety agents, whereas MAO-B inhibitors are used alone or in combination to treat Alzheimer'sand Parkinson's diseases.

Monoamine Oxidase Inhibitors

(2-Chloropyridin-4-yl)methanamine hydrochloride

Cat. No.: HY-101771A

(2-Chloropyridin-4-yl)methanamine hydrochloride is a selective **LOXL2** inhibitor with an IC_{50} of 126 nM.



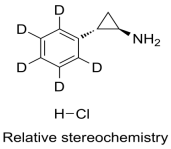
Purity: 98.70%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 100 mg

(rel)-Tranylcypromine D5 hydrochloride

(2-Phenylcyclopropylamine D5 hydrochloride)

Cat. No.: HY-17447SA

(rel)-Tranylcypromine D5 hydrochloride (2-Phenylcyclopropylamine D5 hydrochloride) is a deuterium labeled (rel)-Tranylcypromine hydrochloride.



Relative stereochemistry

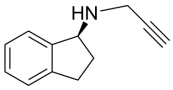
Purity: >98%
Clinical Data: No Development Reported
Size: 5 mg

(S)-Rasagiline

(TVP1022; S-PAI)

Cat. No.: HY-14200

(S)-Rasagiline (TVP1022) is the relatively inactive S-enantiomer form of Rasagiline. Rasagiline is a highly potent selective irreversible **MAO** inhibitor with IC_{50}s of 4.43nM and 412nM for rat brain MAO B and A activity, respectively.



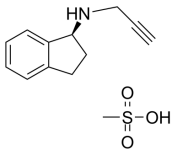
Purity: 99.60%
Clinical Data: Launched
Size: 10 mM × 1 mL, 5 mg, 10 mg, 25 mg

(S)-Rasagiline mesylate

(TVP1022 mesylate; S-PAI mesylate)

Cat. No.: HY-14200A

(S)-Rasagiline (TVP1022) mesylate is the relatively inactive S-enantiomer form of Rasagiline mesylate. Rasagiline mesylate is a highly potent selective irreversible **MAO** inhibitor with IC_{50}s of 4.43nM and 412nM for rat brain MAO B and A activity, respectively.



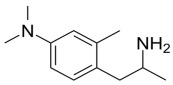
Purity: >98%
Clinical Data: Launched
Size: 1 mg, 5 mg

(±)-Amiflamine

(FLA 336)

Cat. No.: HY-119885A

(±)-Amiflamine (FLA 336) is a potent **monoamine oxidase-A (MAO-A)** inhibitor with a pIC_{50} of 5.57.

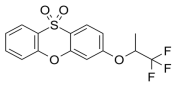


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

2614W94

Cat. No.: HY-101578

2614W94 is a selective, reversible inhibitor of **monoamine oxidase-A** with a competitive mechanism of inhibition and IC_{50} of 5 nM and K_i of 1.6 nM with serotonin as substrate.

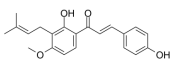


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

4-Hydroxyderricin

Cat. No.: HY-N7204

4-Hydroxyderricin, the major active ingredients of Angelica keiskei Koidzumi, is a potent selective **MAO-B (Monoamine oxidase inhibitors)** inhibitor with an IC_{50} of 3.43 μM. 4-Hydroxyderricin also mildly inhibits **DBH (dopamine β-hydroxylase)** activity.



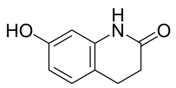
Purity: 95.01%
Clinical Data: No Development Reported
Size: 5 mg

7-Hydroxy-3,4-dihydro-2(1H)-quinolinone

(3,4-Dihydro-7-hydroxy-2(1H)-quinolinone)

Cat. No.: HY-W010130

7-Hydroxy-3,4-dihydro-2(1H)-quinolinone (3,4-Dihydro-7-hydroxy-2(1H)-quinolinone) is a weak **MAO-A** inhibitor, with an IC_{50} of 183 μM, and has no effect on MAO-B.



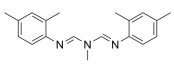
Purity: 99.96%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 100 mg

Amitraz

(BTS-27419)

Cat. No.: HY-B1111

Amitraz is a non-systemic acaricide and insecticide, with alpha-adrenergic agonist activity, interaction with octopamine receptors of the central nervous system and inhibition of monoamine oxidases and prostaglandin synthesis.



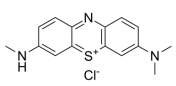
Purity: ≥98.0%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 100 mg

Azure B

(Azure B chloride)

Cat. No.: HY-D0004

Azure B is a **cationic dye** and the major metabolite of Methylene blue. Azure B is used in making Azure eosin stains for blood smear staining.



Purity: 96.08%
Clinical Data: No Development Reported
Size: 5 mg

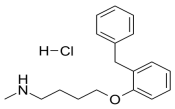
Tel: 609-228-6898 Fax: 609-228-5909 Email: sales@MedChemExpress.com

Bifemelane hydrochloride

(MCI-2016)

Cat. No.: HY-B1558A

Bifemelane hydrochloride (MCI-2016) is a potent, selective and competitive inhibitor of **monoamine oxidase A (MAO-A)**, with a K_i of 4.20 μM. Bifemelane hydrochloride also inhibits **MAO-B** noncompetitively with a K_i of 46.0 μM.



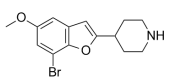
Purity: 98.83%
Clinical Data: Launched
Size: 10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

Brofaromine

(CGP 11305A)

Cat. No.: HY-13339

Brofaromine (CGP 11305A) is a **monoamine oxidase (MAO)** inhibitor with IC_{50} of 0.2μM for **MAO-A**.

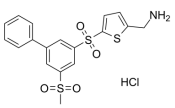


Purity: 98.55%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg

CCT365623 hydrochloride

Cat. No.: HY-124674A

CCT365623 hydrochloride is an orally active **lysyl oxidase (LOX)** inhibitor, with an IC_{50} of 0.89 μM. CCT365623 hydrochloride suppresses EGFR (pY1068) and AKT phosphorylation driven by EGF. CCT365623 hydrochloride is extremely well tolerated, and has good pharmacokinetic properties.

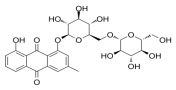


Purity: ≥98.0%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Chrysophanol-1-O-β-gentiobioside

Cat. No.: HY-N7598

Chrysophanol-1-O-β-gentiobioside, an anthraquinone glycoside isolated from Cassia obtusifolia seeds. Chrysophanol-1-O-β-gentiobioside shows selective inhibition of hMAO-A isozyme activity (IC_{50}=96.15 μM).

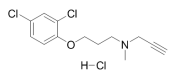


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg

Clorgyline hydrochloride

Cat. No.: HY-14197A

Clorgyline hydrochloride is an irreversible and selective inhibitor of monoamine oxidase A (MAO-A) that is used in scientific research; structurally related to Pargyline.



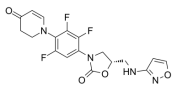
Purity: 99.70%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 10 mg, 50 mg, 100 mg, 500 mg

Contezolid

(MRX-I)

Cat. No.: HY-19915

Contezolid (MRX-I), a new and oraly active oxazolidinone, is an antibiotic in study for complicated skin and soft tissue infections (cSSTI) caused by resistant Gram-positive bacteria.

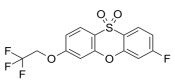


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

CX-157

Cat. No.: HY-100178

CX-157 is a reversible inhibitor of **monoamine oxidase-A** (**MAO-A**) with an EC_{50} of 19.3ng/mL.



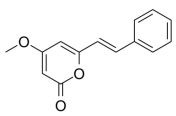
Purity: >98%
Clinical Data: Phase 2
Size: 1 mg, 5 mg

Desmethoxyyangonin

(Demethoxyyangonin; 5,6-Dehydrokavain)

Cat. No.: HY-N0918

Desmethoxyyangonin is one of the six major kavalactones found in the Piper methysticum (kava) plant; reversible inhibitor of MAO-B.



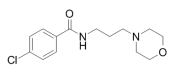
Purity: ≥98.0%
Clinical Data: No Development Reported
Size: 5 mg, 10 mg

Eprobemide

(LIS 630)

Cat. No.: HY-B1413

Eprobemide is a non-competitive reversible inhibitor of **monoamine oxidase A**.

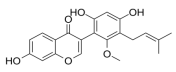


Purity: 99.63%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

Glicoricone

Cat. No.: HY-N9329

Glicoricone, a phenolic compound, is isolated from a species of licorice. Glicoricone is an inhibitor of **monoamine oxidase (MAO)**, with an IC_{50} of 140 μM. Glicoricone binds to **estrogen receptor (ER)** and shows estrogen antagonist activity.

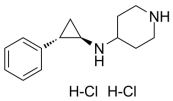


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

GSK-LSD1 dihydrochloride

Cat. No.: HY-100546A

GSK-LSD1 dihydrochloride is a potent, selective and irreversible lysine specific demethylase 1 (**LSD1**) inhibitor with an **IC_{50}** of 16 nM.

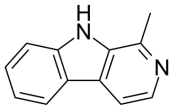


Purity: ≥98.0%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg

Harmane

Cat. No.: HY-101392

Harmane, a β-Carboline alkaloid (BCA), is a potent neurotoxin that causes severe action tremors and psychiatric manifestations. Harmane shows 1000-fold selectivity for **I1-Imidazoline receptor** (IC_{50}=30 nM) over **α2-adrenoceptor** (IC_{50}=18 μM).

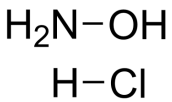


Purity: 99.73%
Clinical Data: No Development Reported
Size: 100 mg

Hydroxyamine hydrochloride

Cat. No.: HY-Y0882

Hydroxyamine hydrochloride is a selective **monoamine oxidase (MAO)** inhibitor used for inhibiting of platelet aggregation. Hydroxyamine hydrochloride is an intermediate of organic synthesis.

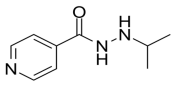


Purity: >98%
Clinical Data: No Development Reported
Size: 500 mg

Iproniazid

Cat. No.: HY-B0886A

Iproniazid is a non-selective, irreversible **monoamine oxidase (MAO)** inhibitor of the hydrazine class. Iproniazid has antidepressive activity.

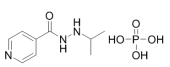


Purity: ≥98.0%
Clinical Data: Launched
Size: 10 mM × 1 mL, 100 mg

Iproniazid phosphate

Cat. No.: HY-B0886

Iproniazid phosphate is a non-selective, irreversible **monoamine oxidase (MAO)** inhibitor of the hydrazine class. Iproniazid phosphate has antidepressive activity.



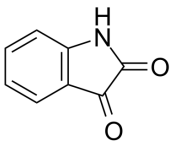
Purity: 99.92%
Clinical Data: Launched
Size: 10 mM × 1 mL, 100 mg

Isatin

(Indoline-2,3-dione)

Cat. No.: HY-Y0265

Isatin (Indoline-2,3-dione) is a potent inhibitor of **monoamine oxidase (MAO)** with an **IC_{50}** of 3 μM. Also binds to central benzodiazepine receptors (IC_{50} against clonazepam, 123 μM).

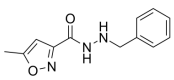


Purity: 97.36%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 100 mg

Isocarboxazid

Cat. No.: HY-13929

Isocarboxazid is a non-selective and irreversible inhibitor of **monoamine oxidase**, with an **IC_{50}** of 4.8 μM for rat brain monoamine oxidase in vitro.

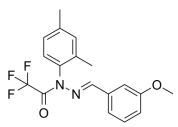


Purity: ≥98.0%
Clinical Data: Launched
Size: 10 mM × 1 mL, 5 mg

J-147

Cat. No.: HY-13779

J-147 is an exceptionally potent, orally active, neuroprotective agent for cognitive enhancement. J-147 can readily pass the blood brain barrier (BBB).



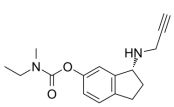
Purity: 99.87%
Clinical Data: Phase 1
Size: 10 mM × 1 mL, 5 mg, 10 mg, 50 mg

Ladostigil

(TV-3326)

Cat. No.: HY-10399

Ladostigil (TV-3326) is a dual inhibitor of **cholinesterase** and brain-selective **monoamine oxidase (MAO)**, with an **IC_{50}** of 37.1 and 31.8 μM for **MAO-B** and **AChE**, reapectively.



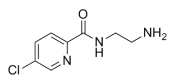
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Lazabemide

(Ro 19-6327)

Cat. No.: HY-14201

Lazabemide (Ro 19-6327) is a selective, reversible inhibitor of monoamine oxidase B (MAO-B) (**IC_{50}**=0.03 μM) but less active for MAO-A (IC_{50}>100 μM).



Purity: 99.76%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 10 mg, 50 mg

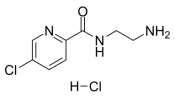
Tel: 609-228-6898 Fax: 609-228-5909 Email: sales@MedChemExpress.com

Lazabemide hydrochloride

(Ro 19-6327 hydrochloride)

Cat. No.: HY-14202

Lazabemide hydrochloride (Ro 19-6327 hydrochloride) is a selective, reversible inhibitor of **monoamine oxidase B (MAO-B)** (IC_{50}=0.03 μM) but less active for MAO-A (IC_{50}>100 μM).

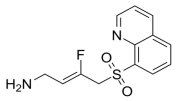


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

LOX-IN-3

Cat. No.: HY-138625

LOX-IN-3 is an orally active **lysyl oxidase (LOX)** inhibitor. LOX-IN-3 can be used for fibrosis, cancer and/or angiogenesis research.

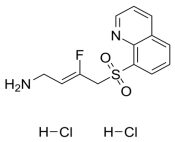


Purity: 99.51%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

LOX-IN-3 dihydrochloride

Cat. No.: HY-138625A

LOX-IN-3 dihydrochloride is an orally active **lysyl oxidase (LOX)** inhibitor. LOX-IN-3 dihydrochloride can be used for fibrosis, cancer and/or angiogenesis research.

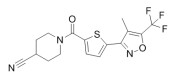


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

MAO-B-IN-1

Cat. No.: HY-U00343

MAO-B-IN-1 is an inhibitor of **monoamine oxidase B**, used for the research of neurological diseases.

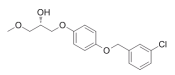


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

MAO-IN-1

Cat. No.: HY-U00015

MAO-IN-1 is a monoamine oxidase B (**MAO B**) inhibitor with an IC_{50} of 20 nM.

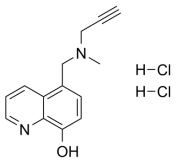


Purity: ≥99.0%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

MAO-IN-M30 dihydrochloride

Cat. No.: HY-131036

MAO-IN-M30 dihydrochloride is an orally active, brain-permeable, and brain selective irreversible **MAO-A** (IC_{50}=37 nM) and **MAO-B** (IC_{50}=57 nM) inhibitor. MAO-IN-M30 dihydrochloride is a potent **iron chelator** and **radical scavenger**.



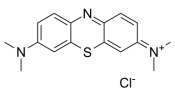
Purity: ≥98.0%
Clinical Data: No Development Reported
Size: 5 mg

Methylene Blue

(Basic Blue 9; CI-52015; Methylthioninium chloride)

Cat. No.: HY-14536

Methylene blue (Basic Blue 9) is a **guanylyl cyclase (sGC)**, **monoamine oxidase A (MAO-A)** and **NO synthase (NOS)** inhibitor. Methylene blue is a vasopressor and is often used as a dye in several medical procedures.



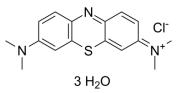
Purity: ≥98.0%
Clinical Data: Launched
Size: 100 mg, 500 mg

Methylene blue trihydrate

(C.I. Basic Blue 9 trihydrate)

Cat. No.: HY-B1359

Methylene blue trihydrate (C.I. Basic Blue 9 trihydrate) is a **guanylyl cyclase (sGC)**, **monoamine oxidase A (MAO-A)** and **NO synthase (NOS)** inhibitor. Methylene blue trihydrate is a vasopressor and is often used as a dye in several medical procedures.

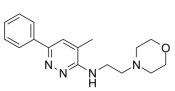


Purity: ≥97.0%
Clinical Data: Launched
Size: 10 mM × 1 mL, 100 mg, 500 mg

Minaprine

Cat. No.: HY-B0884

Minaprine is a reversible inhibitor of MAO-A; weakly inhibit acetylcholinesterase; an antidepressant for treatment of depression.

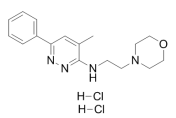


Purity: >98%
Clinical Data: Launched
Size: 1 mg, 5 mg

Minaprine dihydrochloride

Cat. No.: HY-B0884A

Minaprine dihydrochloride is a reversible inhibitor of MAO-A; weakly inhibit acetylcholinesterase; an antidepressant for treatment of depression.



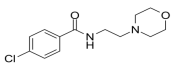
Purity: 99.61%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 100 mg

Moclobemide

(Ro111163)

Cat. No.: HY-B0534

Moclobemide(Ro111163) is a reversible monoamine oxidase inhibitor (MAOI) selective for isoform A (RIMA) used to treat major depressive disorder.

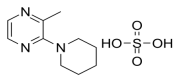


Purity: 99.63%
Clinical Data: Launched
Size: 10 mM × 1 mL, 50 mg, 100 mg

Modaline sulfate

Cat. No.: HY-B1083

Modaline sulfate is a **MAO** inhibitor, used in the treatment of depression.



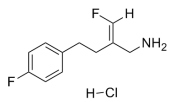
Purity: 98.95%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 100 mg

Mofegiline hydrochloride

(MDL72974A)

Cat. No.: HY-16677A

Mofegiline hydrochloride (MDL72974A) is a potent and selective enzyme-activated irreversible inhibitor of MAO-B; shows marked selectivity for the B form (IC50 = 680 and 3.6 nM for MAO-A and MAO-B).

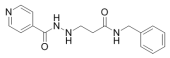


Purity: ≥95.0%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg

Nialamide

Cat. No.: HY-B1199

Nialamide is a non-selective, irreversible monoamine oxidase inhibitor (MAOI) of the hydrazine class that was used as an antidepressant.



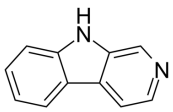
Purity: ≥95.0%
Clinical Data: No Development Reported
Size: 100 mg

Norharmane

(Norharman; β-Carboline)

Cat. No.: HY-W008566

Norharmane (Norharman) is a potent and selective **monoamine oxidase A** (**MAO-A**) inhibitor with a K_i of 3.34 μM.

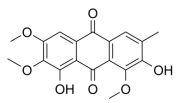


Purity: ≥95.0%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 100 mg

Obtusin

Cat. No.: HY-N6057

Obtusin, isolated from Cassia obtusifolia Linn seed, is a highly selective and competitive **human monoamine oxidase-A (hMAO-A)** inhibitor with an IC_{50} of 11.12 μM and a K_i of 6.15 μM. Obtusin plays a preventive role in neurodegenerative diseases, especially anxiety and depression.

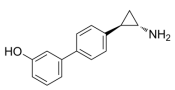


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

OG-L002

Cat. No.: HY-19333

OG-L002 is a potent and highly selective **LSD1** inhibitor with an IC_{50} of 0.02 μM. OG-L002 is a potent **monoamine oxidases (MAO)** inhibitor with IC_{50}s of 1.38 μM and 0.72 μM for MAO-A and MAO-B, respectively. OG-L002 potently inhibits the expression of **HSV IE** genes.



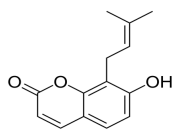
Purity: 99.71%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 5 mg, 10 mg, 50 mg

Osthenol

(Ostenol)

Cat. No.: HY-N2554

Osthenol (Ostenol), a prenylated coumarin isolated from the dried roots of Angelica pubescens, is selective, reversible, and competitive human monoamine oxidase-A **(hMAO-A)** inhibitor (K_i=0.26 μM).

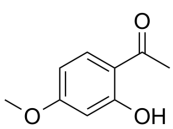


Purity: 98.91%
Clinical Data: No Development Reported
Size: 1 mg

Paeonol

Cat. No.: HY-N0159

Paeonol is an active extraction from the root of Paeonia suffruticosa, Paeonol inhibits **MAO-A** and **MAO-B** with IC_{50} of 54.6 μM and 42.5 μM, respectively.

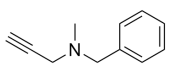


Purity: 99.86%
Clinical Data: Launched
Size: 10 mM × 1 mL, 500 mg, 1 g

Pargyline

Cat. No.: HY-A0091A

Pargyline is an irreversible **monoamine oxidase (MAO)** inhibitor with K_is of 13 μM and 0.5 μM for **MAO-A** and **MAO-B**, respectively. Pargyline has antihypertensive and anticancer activities.

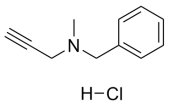


Purity: >98%
Clinical Data: Launched
Size: 1 mg, 5 mg

Pargyline hydrochloride

Cat. No.: HY-A0091

Pargyline hydrochloride is an irreversible **monoamine oxidase (MAO)** inhibitor with K_is of 13 μM and 0.5 μM for **MAO-A** and **MAO-B**, respectively. Pargyline hydrochloride has antihypertensive and anticancer activities.

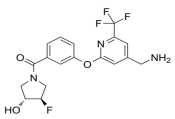


Purity: 99.91%
Clinical Data: Launched
Size: 10 mM × 1 mL, 500 mg

PAT-1251

Cat. No.: HY-107422

PAT-1251 is a potent, selective and oral lysyl oxidase-like 2 (**LOXL2**) inhibitor, with IC_{50}s of 0.71 and 1.17 μM for hLOXL2 and hLOXL3, respectively, and also potently inhibits mouse, rat, and dog LOXL2 (IC_{50}s, 0.10, 0.12, and 0.16 μM, respectively); PAT-1251 is used in...

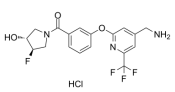


Purity: 98.17%
Clinical Data: Phase 2
Size: 10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

PAT-1251 Hydrochloride

Cat. No.: HY-107422A

PAT-1251 Hydrochloride is a potent, selective and oral lysyl oxidase-like 2 (**LOXL2**) inhibitor, with IC_{50}s of 0.71 and 1.17 μM for hLOXL2 and hLOXL3, respectively, and also potently inhibits mouse, rat, and dog LOXL2 (IC_{50}s, 0.10, 0.12, and 0.16 μM, respectively).

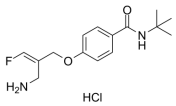


Purity: >98%
Clinical Data: Phase 2
Size: 1 mg, 5 mg

PXS-4728A

Cat. No.: HY-112726

PXS-4728A is a selective, orally active inhibitor of semicarbazide-sensitive amine oxidase (**SSAO**). PXS-4728A ameliorates chronic obstructive pulmonary disease in mice.

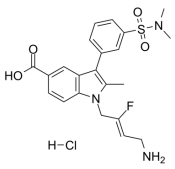


Purity: 98.18%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

PXS-5120A

Cat. No.: HY-130242

PXS-5120A is a potent, irreversible fluoroallylamine inhibitor of **Lysyl Oxidase-like 2/3 (LOXL2/3)** with anti-fibrotic activity. PXS-5120A is >300-fold selective for **LOXL2** (K_i of 83 nM; **pIC**$_{50}$ of 8.4) over **LOXL** (**pIC**$_{50}$ of 5.8).

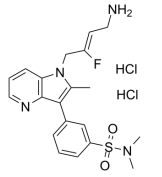


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

PXS-5153A

Cat. No.: HY-114286

PXS-5153A is a potent, selective, orally active and fast-acting lysyl oxidase like 2/3 enzymatic **(LOXL2/LOXL3)** inhibitor, with an IC_{50} of <40 nM for LOXL2 across all mammalian species and an IC_{50} of 63 nM for human LOXL3. PXS-5153A could reduce crosslinks and ameliorates fibrosis.

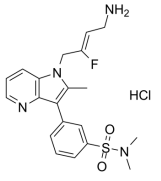


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

PXS-5153A monohydrochloride

Cat. No.: HY-114286A

PXS-5153A monohydrochloride is a potent, selective, orally active and fast-acting lysyl oxidase like 2/3 enzymatic **(LOXL2/LOXL3)** inhibitor, with an IC_{50} of <40 nM for LOXL2 across all mammalian species and an IC_{50} of 63 nM for human LOXL3.



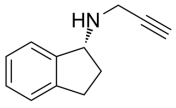
Purity: 99.67%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

Rasagiline

((R)-AGN1135; TVP1012)

Cat. No.: HY-14605A

Rasagiline (R-AGN1135) is a highly potent selective irreversible **mitochondrial monoamine oxidase** (**MAO**) inhibitor with IC_{50}s of 4.43nM and 412nM for rat brain MAO B and A activity, respectively.



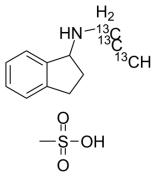
Purity: 98.84%
Clinical Data: Launched
Size: 50 mg, 100 mg, 250 mg

Rasagiline 13C3 mesylate racemic

(AGN1135 13C3; TVP1012 13C3 racemic)

Cat. No.: HY-14605BS

Rasagiline 13C3 mesylate racemic is the deuterium labeled Rasagiline mesylate racemic. Rasagiline mesylate racemic is a highly potent selective irreversible **mitochondrial monoamine oxidase** (**MAO**) inhibitor.



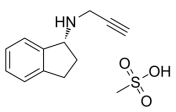
Purity: >98%
Clinical Data: Phase 4
Size: 1 mg, 5 mg

Rasagiline mesylate

((R)-AGN1135 mesylate; TVP1012 mesylate)

Cat. No.: HY-14605

Rasagiline (R-AGN1135) mesylate is a highly potent selective irreversible **mitochondrial monoamine oxidase** (**MAO**) inhibitor with IC_{50}s of 4.43nM and 412nM for rat brain MAO B and A activity, respectively.

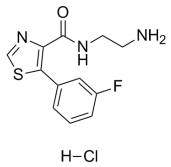


Purity: 99.66%
Clinical Data: Launched
Size: 10 mM × 1 mL, 50 mg, 100 mg

Ro 41-1049 hydrochloride

Cat. No.: HY-100027A

Ro 41-1049 hydrochloride is a reversible and selective inhibitor of **monoamine oxidase-A (MAO-A)**.

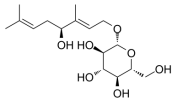


Purity: 99.96%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg

Rosiridin

Cat. No.: HY-N0505

Rosiridin, which is isolated from Rhodiola rosea L., inhibits **MAO A** and **MAO B** with potential beneficial effect in depression and senile dementia. Rosiridin shows an inhibition of 83.8% against MAO B at 10 μM (pIC_{50}=5.38).



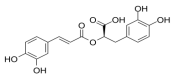
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg

Rosmarinic acid

(Labiatenic acid)

Cat. No.: HY-N0529

Rosmarinic acid is a widespread phenolic ester compound in the plants. Rosmarinic acid inhibits **MAO-A**, **MAO-B** and **COMT** enzymes with IC_{50}s of 50.1, 184.6 and 26.7 μM, respectively.

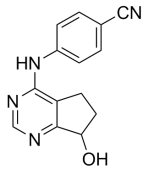


Purity: 99.29%
Clinical Data: Phase 4
Size: 10 mM × 1 mL, 50 mg, 100 mg

RS 8359

Cat. No.: HY-14260

RS 8359 is a selective and reversible **MAO-A** inhibitor, with antidepressant activity.

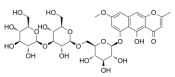


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Rubrofusarin triglucoside

Cat. No.: HY-N7603

Rubrofusarin triglucoside is a glycoside compound isolated from Cassia obtusifolia Linn seeds. Rubrofusarin triglucoside inhibits **human monoamine oxidase A (hMAO-A)** with an IC_{50} of 85.5 μM.



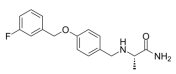
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg

Safinamide

(FCE 26743; EMD 1195686)

Cat. No.: HY-70057

Safinamide is a potent, selective, and reversible **monoamine oxidase B (MAO-B)** inhibitor (IC_{50}=0.098 μM) over MAO-A (IC_{50}=580 μM).



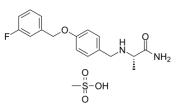
Purity: 99.95%
Clinical Data: Launched
Size: 10 mM × 1 mL, 10 mg, 50 mg

Safinamide mesylate

(FCE 26743 mesylate; EMD 1195686 mesylate)

Cat. No.: HY-70057A

Safinamide (FCE 26743; EMD 1195686) mesylate is a potent, selective, and reversible **monoamine oxidase B (MAO-B)** inhibitor (IC_{50}=0.098 μM) over MAO-A (IC_{50}=580 nM).



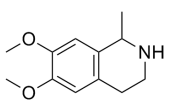
Purity: 99.18%
Clinical Data: Launched
Size: 10 mM × 1 mL, 10 mg, 50 mg

Salsolidine

(6,7-Dimethoxy-1-methyl-1,2,3,4-tetrahydroisoquinoline)

Cat. No.: HY-22385

Salsolidine is a tetrahydroisoquinoline alkaloid, acts as a stereoselective competitive **MAO A** inhibitor.

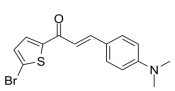


Purity: ≥95.0%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 25 mg, 50 mg, 100 mg

TB5

Cat. No.: HY-100975

TB5 is a potent, selective and reversible inhibitor of **hMAO-B** with a K_i value of 0.11±0.01 μM.



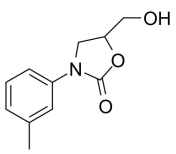
Purity: ≥95.0%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 50 mg, 100 mg

Toloxatone

(MD 69276)

Cat. No.: HY-14196

Toloxatone (MD 69276) is a reversible **monoamine oxidase A** (MAO_A) inhibitor. Antidepressant.

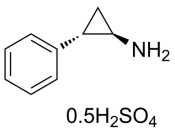


Purity: 99.34%
Clinical Data: Launched
Size: 10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

Tranylcypromine hemisulfate (dl-Tranylcypromine hemisulfate; trans-2-Phenylcyclopropylamine hemisulfate salt)

Cat. No.: HY-B1496

Tranylcypromine hemisulfate (dl-Tranylcypromine hemisulfate) is an irreversible, nonselective **monoamine oxidase (MAO)** inhibitor used in the treatment of depression.

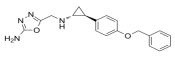


Purity: 99.28%
Clinical Data: Launched
Size: 10 mM × 1 mL, 100 mg

Vafidemstat (ORY-2001)

Cat. No.: HY-112623

Vafidemstat (ORY-2001) is a dual lysine-specific histone demethylase (**LSD1**)/**MAO-B** inhibitor.

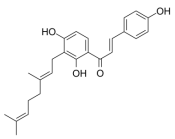


Purity: 98.57%
Clinical Data: Phase 2
Size: 5 mg, 10 mg, 50 mg, 100 mg

Xanthoangelol

Cat. No.: HY-111588

Xanthoangelol, extracted from Angelica keiskei, suppresses obesity-induced inflammatory responses. Xanthoangelol possesses antibacterial activity. Xanthoangelol inhibits monoamine oxidases. Xanthoangelol induces apoptosis in neuroblastoma and leukemia cells.

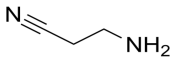


Purity: 98.36%
Clinical Data: No Development Reported
Size: 1 mg

β-Aminopropionitrile

Cat. No.: HY-Y1750

β-Aminopropionitrile is a specific and irreversible **lysyl oxidase (LOX)** inhibitor. β-Aminopropionitrile targets the active site of LOX or LOXL isoenzymes.



Purity: 99.99%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 500 mg