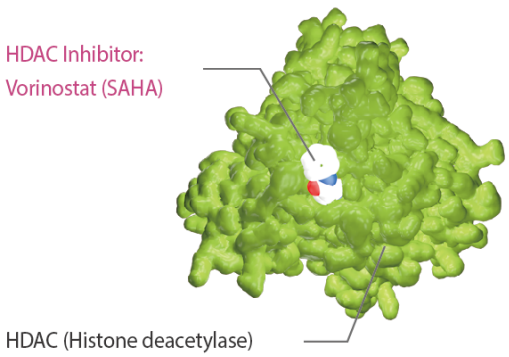
Adrenergic Receptor

Beta Receptor



Adrenergic receptors are a class of G protein-coupled receptors that are targets of the catecholamines, especially norepinephrine and epinephrine. Many cells possess these receptors, and the binding of a catecholamine to the receptor will generally stimulate the sympathetic nervous system. The sympathetic nervous system is responsible for the fight-or-flight response, which includes widening the pupils of the eye, mobilizing energy, and diverting blood flow from non-essential organs to skeletal muscle. There are two main groups of adrenergic receptors, α and β, with several subtypes. α receptors have the subtypes α1 and α2. β receptors have the subtypes β1, β2 and β3. All three are linked to Gs proteins, which in turn are linked to adenylate cyclase. Agonist binding thus causes a rise in the intracellular concentration of the second messenger cAMP. Downstream effectors of cAMP include cAMP-dependent protein kinase (PKA), which mediates some of the intracellular events following hormone binding.

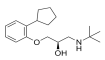
Adrenergic Receptor Inhibitors & Modulators

(+)-Penbutolol

((R)-Penbutolol; (+)-Isopenbutolol) Cat. No.: HY-116790A

Bioactivity: (+)-Penbutolol is a β-adrenoceptor antagonist, with an IC_{50} of 0.74 μM [1]. (+)-Penbutolol is an optical isomer of l-penbutolol with Na^+ channel-blocking action [2].

Purity: 95.0%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg

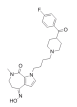


(4E)-SUN9221

Cat. No.: HY-U00367

Bioactivity: (4E)-SUN9221 is a potent antagonist of **α1-adrenergic receptor** and **5-HT2 receptor**, with antihypertensive and anti-platelet aggregation activities.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

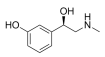


(R)-(-)-Phenylephrine

(Phenylephrine) Cat. No.: HY-B0769

Bioactivity: (R)-(-)-Phenylephrine is a selective **α_1-adrenoceptor** agonist primarily used as a decongestant.

Purity: >98%
Clinical Data: Launched
Size: 200 mg

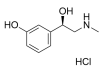


(R)-(-)-Phenylephrine hydrochloride

(Phenylephrine hydrochloride) Cat. No.: HY-B0471

Bioactivity: (R)-(-)-Phenylephrine hydrochloride is a selective **α_1-adrenoceptor** agonist with **pK_is** of 5.86, 4.87 and 4.70 for α_{1D}, α_{1B} and α_{1A} receptors respectively.

Purity: 98.10%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg, 500 mg

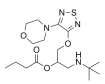


(RS)-Butyryltimolol

Cat. No.: HY-102032A

Bioactivity: (RS)-Butyryltimolol is the racemate of Butyryltimolol. Butyryltimolol is the butyryl ester of Timolol. Timolol is in the non-selective **β** blocker family of medication.

Purity: 98.0%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg

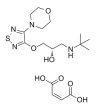


(S)-Timolol Maleate

(L-714,465 (Maleate); MK 950) Cat. No.: HY-17380

Bioactivity: (S)-Timolol maleate, is a potent non-selective β-adrenergic receptor antagonist (Ki values are 1.97 and 2.0 nM for β1 and β2 receptor subtypes respectively). IC50 Value: 1.97 nM(Ki for β1); 2.0 nM(Ki for β2) Target: β-adrenergic receptor (S)-Timolol, 50% bioavailability following oral...

Purity: 99.87%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg, 200 mg

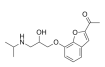


(±)-Befunolol

Cat. No.: HY-101752

Bioactivity: (±)-Befunolol is a **β-adrenoceptor** blocking agent.

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

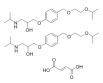


(±)-Bisoprolol (hemifumarate)

(Bisoprolol hemifumarate salt) Cat. No.: HY-B0076

Bioactivity: Bisoprolol is a selective type β1 adrenergic receptor blocker.

Purity: 98.41%
Clinical Data: Launched
Size: 10mM x 1mL in Water, 100 mg, 200 mg, 500 mg

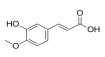


3-Hydroxy-4-methoxycinnamic acid

(Isoferulic acid) Cat. No.: HY-N0761

Bioactivity: 3-Hydroxy-4-methoxycinnamic acid (Isoferulic acid) is a cinnamic acid derivative that has antidiabetic activity. 3-Hydroxy-4-methoxycinnamic acid binds to and activates α1-adrenergic receptors (IC_{50}=1.4 μM) to enhance secret...

Purity: 99.82%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 100 mg

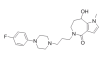


5-HT2 antagonist 1

Cat. No.: HY-U00365

Bioactivity: 5-HT2 antagonist 1 is a potent antagonist of **5-HT2 receptor**, with weak **α1 adrenoceptor** blocking activity.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

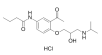


Acebutolol hydrochloride

Cat. No.: HY-17497A

Bioactivity: Acebutolol Hydrochloride is a β-adrenergic receptors antagonist used in the treatment of hypertension, angina pectoris and cardiac arrhythmias.

Purity: 98.0%
Clinical Data: Launched
Size: 10mM x 1mL in Water, 100 mg, 5 g, 10 g

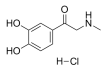


Adrenalone hydrochloride

Cat. No.: HY-B1308

Bioactivity: Adrenalone hydrochloride is a selective α1-adrenoceptor agonist, used as a topical vasoconstrictor and hemostatic, used to prolong the action of local anesthetics.

Purity: 98.0%
Clinical Data: Launched
Size: 100 mg

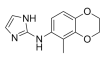


AGN 192836

Cat. No.: HY-100300

Bioactivity: AGN 192836 is a potent and selective **α2 adrenergic** agonist with **EC_{50}**s of 8.7, 41 and 6.6 nM for α2A, α2B and α2C receptor, respectively.

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



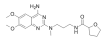
Alfuzosin

(SL 77499)

Cat. No.: HY-B0192

Bioactivity: Alfuzosin is an α1 adrenergic receptor antagonist used to treat benign prostatic hyperplasia (BPH).

Purity: 99.81%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg



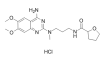
Alfuzosin hydrochloride

(SL 77499-10)

Cat. No.: HY-B0192A

Bioactivity: Alfuzosin hydrochloride is an α1 adrenergic receptor antagonist used to treat benign prostatic hyperplasia (BPH).

Purity: >98%
Clinical Data: Launched
Size: 10 mg, 50 mg



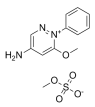
Amezinium methylsulfate

(Amezinium metilsulfate; Lu-1631)

Cat. No.: HY-A0275

Bioactivity: Amezinium metilsulfate has multiple mechanisms, including stimulation of alpha and beta-1 receptors and inhibition ofnoradrenaline and tyramine uptake.

Purity: 99.51%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg, 500 mg, 1 g



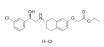
Amibegron hydrochloride

(SR 58611A)

Cat. No.: HY-103207

Bioactivity: Amibegron hydrochloride is a selective **β3-adrenoceptor** agonist, with an **EC_{50}** of 3.5 nM for **β-adrenoceptor** in rat colon; Amibegron hydrochloride has anxiolytic and antidepressant activity.

Purity: 99.0%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 5 mg



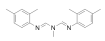
Amitraz

(BTS-27419)

Cat. No.: HY-B1111

Bioactivity: 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: 10mM x 1mL in DMSO, 100 mg

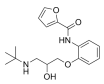


Ancarolol

Cat. No.: HY-100141

Bioactivity: Ancarolol is a **beta-adrenergic** blocking agent.

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

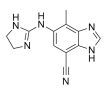


AR-08

Cat. No.: HY-U00371

Bioactivity: AR-08 is an agonist of **α2-adrenergic receptor**, used for the treatment of attention deficit hyperactivety disorder (ADHD).

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg



Asenapine

(Org 5222)

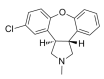
Cat. No.: HY-10121

Bioactivity: Asenapine(Org 5222) inhibits adrenergic receptor (α1, α2A, α2B, α2C) with Ki of 0.25-1.2 nM and also inhibits 5-HT receptor (1A, 1B, 2A, 2B, 2C, 5A, 6, 7) with Ki of 0.03-4.0 nM. IC50 Value: 0.25-1.2 nM(Ki for adrenergic receptor); 0.03-4.0 nM(Ki for 5-HT receptor) Target: 5-HT Receptor;...

Purity: >98%

Clinical Data: Launched

Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg



Atenolol

((RS)-Atenolol)

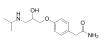
Cat. No.: HY-17498

Bioactivity: Atenolol is a selective β1 receptor antagonist.

Purity: 98.0%

Clinical Data: Launched

Size: 10mM x 1mL in DMSO, 1 g, 5 g



Atipamezole

(MPV 1248)

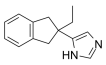
Cat. No.: HY-12380A

Bioactivity: Atipamezole is a synthetic **α_2-adrenoceptor antagonist** with a **K_i** of 1.6 nM.

Purity: 99.07%

Clinical Data: Phase 1

Size: 10mM x 1mL in DMSO, 10 mg, 50 mg



Atipamezole hydrochloride

(MPV-1248 hydrochloride)

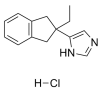
Cat. No.: HY-12380

Bioactivity: Atipamezole hydrochloride is a synthetic **α_2-adrenoceptor antagonist** with a **K_i** of 1.6 nM.

Purity: 99.96%

Clinical Data: No Development Reported

Size: 10mM x 1mL in DMSO, 10 mg, 50 mg



Bambuterol

(KWD-2183; (±)-Bambuterol)

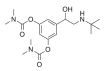
Cat. No.: HY-17501

Bioactivity: Bambuterol is a long acting beta-adrenoceptor agonist (LABA) used in the treatment of asthma; it also is a prodrug of terbutaline. IC50 value: Target: beta-adrenoceptor agonist Bambuterol is contraindicated in pregnancy and in people with seriously impaired liver function. It can be used by people...

Purity: >98%

Clinical Data: Launched

Size: 10 mg, 50 mg, 100 mg



Bambuterol hydrochloride

(KWD-2183 hydrochloride; (±)-Bambuterol hydrochloride)

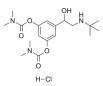
Cat. No.: HY-17501A

Bioactivity: Bambuterol Hcl is a long acting beta-adrenoceptor agonist (LABA) used in the treatment of asthma; it also is a prodrug of terbutaline. IC50 value: Target: beta-adrenoceptor agonist Bambuterol is contraindicated in pregnancy and in people with seriously impaired liver function. It can be used by people...

Purity: 99.57%

Clinical Data: Launched

Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg



Batefenterol

(GSK961081; TD-5959)

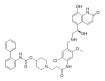
Cat. No.: HY-12980

Bioactivity: Batefenterol (GSK961081;TD-5959) is a novel **muscarinic** receptor antagonist and **β_2-adrenoceptor** agonist; displays high affinity for hM2, hM3 muscarinic and hβ $_2$-adrenoceptor with **K_i** values of 1.4, 1.3 and 3.7 nM, respectively.

Purity: 98.30%

Clinical Data: Phase 2

Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg



Benzquinamide

(P2647; BZQ; Benzoquinamide)

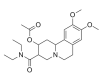
Cat. No.: HY-U00244

Bioactivity: Benzquinamide (P2647) is an antiemetic which can bind to the **α_{2A}**, **α_{2B}**, and **α_{2C} adrenergic receptors** (α2-AR) with K_i values of 1,365, 691, and 545 nM, respectively.

Purity: >98%

Clinical Data: No Development Reported

Size: 1 mg, 5 mg, 10 mg, 20 mg



Betaxolol

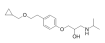
Cat. No.: HY-B0381

Bioactivity: Betaxolol is a selective beta1 adrenergic receptor blocker used in the treatment of hypertension and glaucoma.

Purity: 96.95%

Clinical Data: Launched

Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg



Betaxolol hydrochloride

(SL75212)

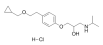
Cat. No.: HY-B0381A

Bioactivity: Betaxolol Hydrochloride is a selective beta1 adrenergic receptor blocker used in the treatment of hypertension and glaucoma.

Purity: 98.94%

Clinical Data: Launched

Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg

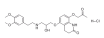


Bometolol Hydrochloride

Cat. No.: HY-U00386

Bioactivity: Bometolol Hydrochloride is a **beta-adrenergic** blocking agent, used for the research of cardiovascular disease.

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



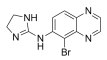
Brimonidine

(UK 14304; AGN190342)

Cat. No.: HY-B0659

Bioactivity: Brimonidine (UK 14304) is a full α2-adrenergic receptor (α2-AR) agonist.

Purity: 99.65%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg



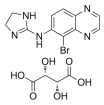
Brimonidine tartrate

(UK 14304 (tartrate); AGN190342 (tartrate))

Cat. No.: HY-B0659A

Bioactivity: Brimonidine tartrate (UK 14304 tartrate) is a full α2-adrenergic receptor (α2-AR) agonist.

Purity: 99.90%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg



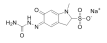
Carbazochrome sodium sulfonate

(AC-17)

Cat. No.: HY-B0491A

Bioactivity: Carbazochrome (sodium sulfonate) (AC-17) is an antihemorrhagic agent. Target: Others Carbazochrome is an antihemorrhagic agent that will cease blood flow by causing the aggregation and adhesion of platelets in the blood to form a platelet plug, ceasing blood flow from an open wound. It is hoped that...

Purity: 99.51%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 50 mg, 100 mg



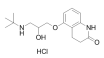
Carteolol hydrochloride

(OPC-1085 hydrochloride)

Cat. No.: HY-17495A

Bioactivity: Carteolol HCl is a non-selective beta blocker used to treat glaucoma. Target: Beta adrenergic Receptor Carteolol HCl is a beta-adrenergic antagonist used as an anti-arrhythmia agent, an anti-angina agent, an antihypertensive agent, and an antiglaucoma agent. Carteolol hydrochloride at 1 mmol/L...

Purity: 98.0%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 50 mg, 100 mg



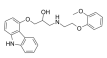
Carvedilol

(BM 14190)

Cat. No.: HY-B0006

Bioactivity: Carvedilol(BM14190) is a non-selective beta blocker/alpha-1 blocker with an IC50 of 3.8 μM for inhibition of LDL oxidation. IC50 Value: 3.8 μM (inhibition of LDL oxidation) Target: beta Adrenergic Receptor Carvedilol is a nonselective-blocking agent and is used in the treatment of...

Purity: 99.93%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg, 500 mg



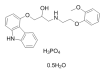
Carvedilol phosphate hemihydrate

(BM 14190 (phosphate hemihydrate))

Cat. No.: HY-B0006A

Bioactivity: Carvedilol (phosphate hemihydrate) (BM 14190 (phosphate hemihydrate)) is a non-selective beta blocker/alpha-1 blocker with an IC_{50} of 3.8 μM for inhibition of LDL oxidation.

Purity: >98%
Clinical Data: Launched
Size: 100 mg, 500 mg



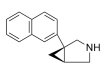
Centanafadine

(EB-1020)

Cat. No.: HY-16736

Bioactivity: Centanafadine is dual **norepinephrine (NE)/dopamine (DA)** transporter inhibitor, also inhibits serotonin transporter, with **IC_{50}s** of 6 nM, 38 nM and 83 nM for human NE, DA and serotonin transporter , respectively.

Purity: >98%
Clinical Data: No Development Reported
Size: 250 mg, 500 mg



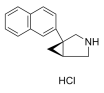
Centanafadine hydrochloride

(EB-1020 (hydrochloride))

Cat. No.: HY-16736A

Bioactivity: Centanafadine (hydrochloride) is dual **norepinephrine (NE)/dopamine (DA)** transporter inhibitor, also inhibits serotonin transporter, with **IC_{50}s** of 6 nM, 38 nM and 83 nM for human NE, DA and serotonin transporter , respectively.

Purity: >98%
Clinical Data: No Development Reported
Size: 250 mg, 500 mg

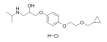


Cicloprolol hydrochloride

Cat. No.: HY-U00066

Bioactivity: Cicloprolol is a partial **β 1-adrenoceptor** agonist .

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

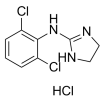


Clonidine hydrochloride

Cat. No.: HY-B0409A

Bioactivity: Clonidine hydrochloride is an agonist of **α2-adrenoceptor** and potent antihypertensive agent.

Purity: 99.95%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg, 500 mg

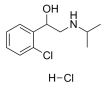


Clorprenaline hydrochloride

Cat. No.: HY-B1347

Bioactivity: Clorprenaline hydrochloride is a **β_2-adrenergic receptor** agonist.

Purity: 99.89%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 50 mg

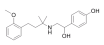


D2343

Cat. No.: HY-U00206

Bioactivity: D2343 is a **β2-adrenoceptor** agonist and also is an **α1-adrenoceptor** inhibitor.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

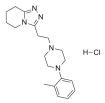


Dapiprazole hydrochloride

Cat. No.: HY-A0142A

Bioactivity: Dapiprazole hydrochloride is a potent α-adrenergic blocking drug, which is used to reverse mydriasis after eye examination.

Purity: 99.97%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg



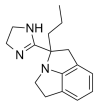
Deriglidole

(SL 86-0715)

Cat. No.: HY-101683

Bioactivity: Deriglidole is a peripheral **adrenoceptor** antagonist with a high affinity for α $_2$-adrenoceptors.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

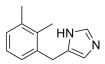


Detomidine

Cat. No.: HY-B0163

Bioactivity: Detomidine produce dose-dependent sedative and analgesic effects, is a nonnarcotic, synthetic α2-adrenergic agonist

Purity: >98%
Clinical Data: Launched
Size: 10 mg, 50 mg, 100 mg

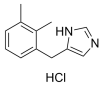


Detomidine hydrochloride

Cat. No.: HY-B0163A

Bioactivity: Detomidine hydrochloride produce dose-dependent sedative and analgesic effects, is a nonnarcotic, synthetic α2-adrenergic agonist

Purity: 99.80%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg

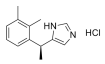


Dexmedetomidine hydrochloride ((+)-Medetomidine hydrochloride; (S)-Medetomidine hydrochloride)

Cat. No.: HY-17034A

Bioactivity: Dexmedetomidine Hydrochloride is an agonist of adrenergic alpha-2 receptor, which is used in veterinary medicine for its analgesic and sedative properties. Target: Adrenergic alpha-2 Receptor Dexmedetomidine, acting at alpha(2A) adrenoceptors, must be present during the encoding process to decrease...

Purity: 98.0%
Clinical Data: Launched
Size: 10mM x 1mL in Water, 5 mg, 10 mg, 50 mg



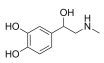
DL-Epinephrine

((±)-Epinephrine; (±)-Adrenaline; DL-Adrenali)

Cat. No.: HY-B0447

Bioactivity: DL-Epinephrine is the racemate of epinephrine. L-Epinephrine is a hormone secreted by the medulla of the adrenal glands. L-Epinephrine is an **α-adrenergic** and **β-adrenergic** receptor agonist.

Purity: 99.0%
Clinical Data: No Development Reported
Size: 1 g, 5 g

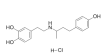


Dobutamine hydrochloride

Cat. No.: HY-15746

Bioactivity: Dobutamine Hcl(Dobutrex) is a sympathomimetic drug used in the treatment of heart failure and cardiogenic shock. Its primary mechanism is direct stimulation of β1 receptors of the sympathetic nervous system.

Purity: 99.78%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg

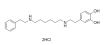


Dopexamine hydrochloride

(FPL60278AR) Cat. No.: HY-U00205

Bioactivity: Dopexamine hydrochloride is a **β2 adrenergic receptor** agonist.

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

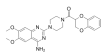


Doxazosin

(UK 33274) Cat. No.: HY-B0098

Bioactivity: Doxazosin(UK 33274) is a quinazoline-derivative that selectively antagonizes postsynaptic α1-adrenergic receptors.

Purity: >98%
Clinical Data: Launched
Size: 100 mg, 500 mg

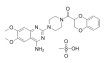


Doxazosin mesylate

(UK 33274 mesylate) Cat. No.: HY-B0098A

Bioactivity: Doxazosin mesylate(UK 33274) is a quinazoline-derivative that selectively antagonizes postsynaptic α1-adrenergic receptors. Target: α1-adrenergic receptor Doxazosin (mesylate) is the mesylate salt form of doxazosin, which is a long-lasting inhibitor of α1-adrenoceptors that is widely used to treat...

Purity: 98.60%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 500 mg, 1 g

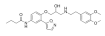


Ecastolol

Cat. No.: HY-101691

Bioactivity: Ecastolol is a **beta adrenergic receptor** antagonist, with antianginal activities.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

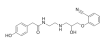


Epanolol

(Visacor; ICI141292) Cat. No.: HY-U00183

Bioactivity: Epanolol (Visacor; ICI141292) is a potent **β-adrenoceptor** partial agonist with a greater affinity for **β1**- than β2-adrenoceptors.

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

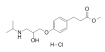


Esmolol hydrochloride

Cat. No.: HY-B1392

Bioactivity: Esmolol Hydrochloride is a beta adrenergic receptor blocker. Target: Adrenergic receptor Esmolol Hydrochloride is the hydrochloride salt form of Esmolol, a short and rapid-acting beta adrenergic antagonist belonging to the class II anti-arrhythmic drugs and devoid of intrinsic sympathomimetic...

Purity: 99.77%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg

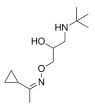


Falintolol, (Z)-

Cat. No.: HY-U00283

Bioactivity: Falintolol, (Z)-, a new **β-adrenergic** antagonist, is characterized by the presence of an oxime function.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

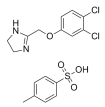


Fenmetozole Tosylate

Cat. No.: HY-U00402

Bioactivity: Fenmetozole Tosylate is an antagonist of the actions of ethanol, also antagonizes **α2-adrenergic receptor**, and acts as an antidepressant drug.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

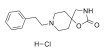


Fenspiride Hydrochloride

Cat. No.: HY-A0027

Bioactivity: Fenspiride Hcl is an α adrenergic and H1 histamine receptor antagonist.

Purity: 99.03%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg

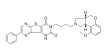


Fiduxosin

Cat. No.: HY-U00399

Bioactivity: Fiduxosin is a potent **α1-adrenoceptor** antagonist, with K_i of 0.160 nM, 24.9 nM, and 0.920 nM for α1a-, α1b-, and α1d-adrenoceptors, respectively.

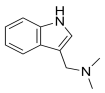
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg



Gramine
(Donaxine) Cat. No.: HY-N0166

Bioactivity: Gramine (Donaxine) is a natural alkaloid isolated from giant reed [2], acts as an active **adiponectin receptor (AdipoR)** agonist, with **IC_{50}**s of 3.2 and 4.2 μM for AdipoR2 and AdipoR1, respectively [1]. Gramine is also a human and mo...

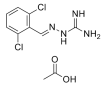
Purity: 99.45%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 50 mg



Guanabenz Acetate
(BR-750; Wy8678 acetate) Cat. No.: HY-B0566

Bioactivity: Guanabenz (Acetate) (BR-750) is an alpha-2 selective adrenergic agonist used as an antihypertensive agent.

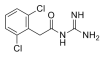
Purity: 98.88%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 50 mg, 100 mg, 500 mg



Guanfacine
Cat. No.: HY-17416A

Bioactivity: Guanfacine is a selective α2A receptor agonist. Target: α2A Receptor Guanfacine is a sympatholytic. It is a selective α2A receptor agonist. These receptors are concentrated heavily in the prefrontal cortex and the locus coeruleus, with the potential to improve attention resulting from interaction with...

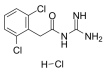
Purity: >98%
Clinical Data: Launched
Size: 10 mg, 50 mg



Guanfacine hydrochloride
Cat. No.: HY-17416

Bioactivity: Guanfacine Hcl, an anti-hypertensive agent, is a selective α2A-adrenoceptor agonist with Kd of 31 nM and displays 60-fold selectivity over α2B-adrenoceptors. IC50 Value: 31 nM(Kd) Target: Adrenergic Receptor Guanfacine is a sympatholytic. It is a selective α2A receptor agonist. These receptors are...

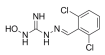
Purity: 99.96%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg



Guanoxabenz
(Hydroxyguanabenz) Cat. No.: HY-U00123

Bioactivity: Guanoxabenz is an **α2 adrenergic receptor** agonist.

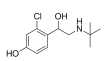
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg



HOKU-81
(4-Hydroxytulobuterol) Cat. No.: HY-50291

Bioactivity: HOKU-81, a new bronchodilator, is one of the metabolites of tulobuterol.

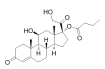
Purity: 95.0%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 5 mg, 25 mg



Hydrocortisone 17-butyrate
(Cortisol 17-butyrate; Hydrocortisone butyrate) Cat. No.: HY-B0983

Bioactivity: Hydrocortisone 17-butyrate is an adrenocortico hormone.

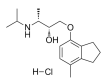
Purity: 99.93%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 200 mg



ICI 118,551 hydrochloride
(ICI 118551 hydrochloride) Cat. No.: HY-13951

Bioactivity: ICI 118,551 (hydrochloride) is a highly selective **β2 adrenergic receptor** antagonist, with **K_i**s of 0.7, 49.5 and 611 nM for β2, β1 and β3 receptors, respectively.

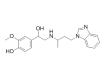
Purity: 98.50%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg



Imoxiterol
(RP 58802B) Cat. No.: HY-101585

Bioactivity: Imoxiterol is a **β-adrenergic** agonist.

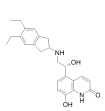
Purity: 98.0%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg



Indacaterol
Cat. No.: HY-14299

Bioactivity: Indacaterol(Onbrez; Arcapta) is an ultra-long-acting β-adrenoceptor agonist.

Purity: 96.17%
Clinical Data: Launched
Size: 100 mg, 500 mg

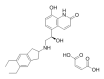


Indacaterol maleate

(QAB149) Cat. No.: HY-14299A

Bioactivity: Indacaterol (QAB149) maleate is an ultra-long-acting β-adrenoceptor agonist.

Purity: 99.92%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg, 500 mg

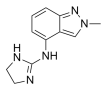


Indanidine

Cat. No.: HY-101717

Bioactivity: Indanidine is an **alpha-adrenergic** agonist.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

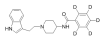


Indoramin D5

(Indoramine D5; Wy-21901 D5) Cat. No.: HY-12760S

Bioactivity: Indoramin D5 is deuterium labeled Indoramin, which is a piperidine antiadrenergic agent.

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

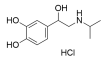


Isoprenaline hydrochloride

(Isoproterenol hydrochloride) Cat. No.: HY-B0468

Bioactivity: Isoprenaline hydrochloride is a non-selective **beta-adrenergic receptor** agonist with potent peripheral vasodilator, bronchodilator, and cardiac stimulating activities.

Purity: 99.0%
Clinical Data: Phase 3
Size: 10mM x 1mL in DMSO, 200 mg, 1 g

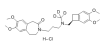


Ivabradine D3 Hydrochloride

Cat. No.: HY-B0162AS1

Bioactivity: Ivabradine D3 Hydrochloride is the deuterium labeled Ivabradine hydrochloride. Ivabradine hydrochloride is a new I_f inhibitor with IC_{50} of 2.9 μM, and used as a pure heart rate lowering agent.

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

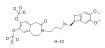


Ivabradine D6 hydrochloride

Cat. No.: HY-B0162AS

Bioactivity: Ivabradine D6 hydrochloride is the deuterium labeled Ivabradine hydrochloride. Ivabradine hydrochloride is a new I_f inhibitor with IC_{50} of 2.9 μM, and used as a pure heart rate lowering agent.

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

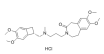


Ivabradine hydrochloride

Cat. No.: HY-B0162A

Bioactivity: Ivabradine is an orally bioavailable, hyperpolarization-activated, cyclic nucleotide-gated (**HCN**) channel blocker.

Purity: 98.39%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg, 200 mg

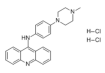


JP1302 dihydrochloride

Cat. No.: HY-103213

Bioactivity: JP1302 dihydrochloride is a selective, high affinity antagonist of the **alpha2C-adrenoceptor (α_{2C}-adrenoceptor)**, with a K_b value (antagonist activity) of 16 nM and a K_i (binding affinity) value of 28 nM [1] [2].

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

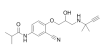


Ko-3290

Cat. No.: HY-101721

Bioactivity: Ko-3290 is an antagonist of **β-adrenoceptor**, with cardioselectivity and antilipolytic effects in animals.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

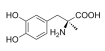


L-(-)-α-Methyldopa

(MK-351; Methyldopa) Cat. No.: HY-B0225

Bioactivity: Methyldopa is an alpha-adrenergic agonist (selective for α2-adrenergic receptors) psychoactive drug used as a sympatholytic or antihypertensive. Target: alpha-adrenergic agonist Methyldopa is an alpha-adrenergic agonist (selective for α2-adrenergic receptors) psychoactive drug used as a...

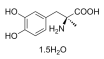
Purity: >98%
Clinical Data: Launched
Size: 1 g



L-(-)-α-Methyldopa hydrate

(MK-351 hydrate; Methyldopa hydrate) Cat. No.: HY-B0225B

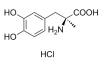
Bioactivity: L-(-)-α-Methyldopa hydrate is an alpha-adrenergic agonist (selective for α2-adrenergic receptors) psychoactive drug used as a sympatholytic or antihypertensive. Target: alpha-adrenergic agonist Methyldopa is an alpha-adrenergic agonist (selective for α2-adrenergic receptors) psychoactive...
Purity: 98.93%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 1 g



L-(-)-α-Methyldopa hydrochloride

(MK-351 hydrochloride; Methyldopa hydrochloride) Cat. No.: HY-B0225A

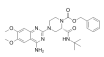
Bioactivity: L-(-)-α-Methyldopa hydrochloride is an alpha-adrenergic agonist (selective for α2-adrenergic receptors) psychoactive drug used as a sympatholytic or antihypertensive. Target: alpha-adrenergic agonist Methyldopa is an alpha-adrenergic agonist (selective for α2-adrenergic receptors) psychoactive...
Purity: >98%
Clinical Data: Launched
Size: 1 g



L-765314

Cat. No.: HY-101385

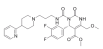
Bioactivity: L-765314 is a potent and selective **α1b adrenergic receptor** antagonist with **K_i**s of 5.4 nM and 2.0 nM for rat and human α1b adrenergic receptor, respectively.
Purity: >98%
Clinical Data: No Development Reported
Size: 250 mg, 500 mg



L-771688

Cat. No.: HY-U00237

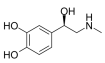
Bioactivity: L-771688 is a highly selective **α1A-Adrenoceptor** antagonist with a **K_i** of 0.43±0.02 nM.
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg



L-Epinephrine

((-)-Epinephrine; L-Adrenaline; (-)-Adrenalin) Cat. No.: HY-B0447B

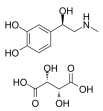
Bioactivity: L-Epinephrine is a hormone secreted by the medulla of the adrenal glands. L-Epinephrine is an **α-adrenergic** and **β-adrenergic** receptor agonist.
Purity: 99.0%
Clinical Data: Launched
Size: 1 g, 5 g, 25 g



L-Epinephrine Bitartrate ((-)-Epinephrine (+)-bitartrate salt; L-Adrenaline (+)-bitartrate salt)

Cat. No.: HY-B0447A

Bioactivity: L-Epinephrine bitartrate is an **α-adrenergic** and **β-adrenergic** receptor agonist. L-Epinephrine is a hormone secreted by the medulla of the adrenal glands.
Purity: 99.0%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 1 g, 5 g



L755507

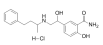
Cat. No.: HY-19334

Bioactivity: L755507 is a potent, selective agonist of **β_3-AR** with an **IC_{50}** of 35 nM.
Purity: 98.0%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 25 mg

Labetalol hydrochloride

(AH-5158 hydrochloride; Sch-15719W) Cat. No.: HY-B1108

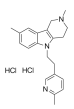
Bioactivity: Labetalol hydrochloride is a mixed alpha/beta adrenergic antagonist that is used to treat high blood pressure.
Purity: 98.0%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg



Latrepirdine dihydrochloride

(Dimebolin dihydrochloride) Cat. No.: HY-14537

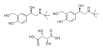
Bioactivity: Latrepirdine dihydrochloride is a neuroactive compound with antagonist activity at histaminergic, α-adrenergic, and serotonergic receptors. Latrepirdine stimulates amyloid precursor protein (APP) catabolism and **amyloid-β** (**Aβ**) secretion.
Purity: 99.75%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg, 200 mg



Levalbuterol tartrate

(Levosalbutamol tartrate) Cat. No.: HY-17457

Bioactivity: Levosalbutamol tartrate(levalbuterol) is the R-enantiomer of the short-acting β2-adrenergic receptor agonist salbutamol.
Purity: >98%
Clinical Data: Launched
Size: 10 mg, 50 mg

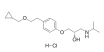


Levobetaxolol hydrochloride

((S)-Betaxolol hydrochloride; AL-1577A) Cat. No.: HY-B0381B

Bioactivity: Levobetaxolol hydrochloride is a beta-adrenergic receptor inhibitor (beta blocker), used to lower the pressure in the eye in treating conditions such as glaucoma.

Purity: 98.11%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg

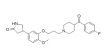


Lidanserin

(ZK-33839) Cat. No.: HY-101815

Bioactivity: Lidanserin is a drug which acts as a combined **5-HT$_{2A}$** and **α_1-adrenergic receptor** antagonist.

Purity: 98.0%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg

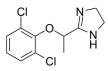


Lofexidine

Cat. No.: HY-B1052A

Bioactivity: Lofexidine is a selective **α2-receptor** agonist, commonly used to alleviate the physical symptoms of heroin and other types of opioid withdrawal [1] [2].

Purity: 99.08%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 50 mg

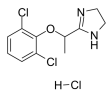


Lofexidine hydrochloride

(Baq-168; MDL-14042) Cat. No.: HY-B1052

Bioactivity: Lofexidine (hydrochloride) is a selective **α2-receptor** agonist, commonly used to alleviate the physical symptoms of heroin and other types of opioid withdrawal [1] [2].

Purity: >98%
Clinical Data: Launched
Size: 50 mg

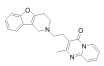


Lusaperidone

(R107474) Cat. No.: HY-U00117

Bioactivity: Lusaperidone (R107474) is an α2 **adrenergic receptor** antagonist with **K_i**s of 0.13 and 0.15 nM for α2A and α2C, respectively.

Purity: 97.74%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

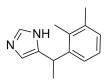


Medetomidine

Cat. No.: HY-17034

Bioactivity: Medetomidine(Domtor) is a potent, highly selective α2-adrenoceptor agonist (Ki values are 1.08 and 1750 nM for α2- and α1-adrenoceptors respectively).

Purity: 99.88%
Clinical Data: Launched
Size: 5 mg, 10 mg, 50 mg

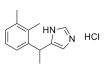


Medetomidine hydrochloride

(MPV785) Cat. No.: HY-17034B

Bioactivity: Medetomidine Hydrochloride is an agonist of adrenergic alpha-2 receptor, which is used in veterinary medicine for its analgesic and sedative properties. Target: Adrenergic alpha-2 Receptor Medetomidine, acting at alpha(2A) adrenoceptors, must be present during the encoding process to decrease discrete...

Purity: 99.49%
Clinical Data: No Development Reported
Size: 10mM x 1mL in Water, 10 mg, 50 mg

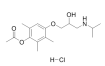


Metipranolol hydrochloride

Cat. No.: HY-16316

Bioactivity: Metipranolol is a non-selective **β adrenergic receptor** blocking agent.

Purity: 99.94%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

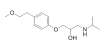


Metoprolol

Cat. No.: HY-17503

Bioactivity: Metoprolol (Toprol) is a selective β1 receptor blocker used in treatment of several diseases of the cardiovascular system, especially hypertension. IC50 value: Target: β1 receptor

Purity: >98%
Clinical Data: Launched
Size: 100 mg

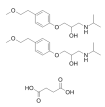


Metoprolol Succinate

Cat. No.: HY-17503A

Bioactivity: Metoprolol Succinate (Toprol XL) is a selective β1 receptor blocker used in treatment of several diseases of the cardiovascular system, especially hypertension. IC50 value: Target: β1 receptor

Purity: 98.0%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 50 mg, 100 mg, 200 mg, 500 mg

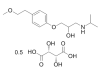


Metoprolol Tartrate

Cat. No.: HY-17503B

Bioactivity: Metoprolol is a cardioselective β1-adrenergic blocking agent.

Purity: >98%
Clinical Data: Launched
Size: 100 mg

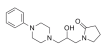


MG 1

Cat. No.: HY-U00110

Bioactivity: MG 1 is an α1 **adrenergic receptor** antagonist.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg



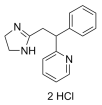
Midaglizole hydrochloride

((±)-DG5128; DG5128)

Cat. No.: HY-U00165

Bioactivity: Midaglizole hydrochloride (DG5128) is a preferential **α2-adrenoceptor** antagonist. Midaglizole hydrochloride (DG5128) exhibits 7.4 times higher affinity (**pK_i**=6.28) toward α2-adrenoceptor than α1-adrenoceptor.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg



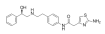
Mirabegron

(YM178)

Cat. No.: HY-14773

Bioactivity: Mirabegron is a selective **β_3-adrenoceptor** agonist with **EC_{50}** of 22.4 nM.

Purity: 99.08%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg



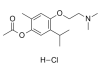
Moxisylyte hydrochloride

(Thymoxamine hydrochloride)

Cat. No.: HY-B1435

Bioactivity: Moxisylyte (hydrochloride) is (alpha 1-blocker) antagonist, it can vasodilates cerebral vessels without reducing blood pressure. It is also used locally in the eye to reverse the mydriasis caused by phenylephrine and other sympathomimetic agents. [1][2]

Purity: 99.96%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg, 1 g



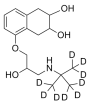
Nadolol D9

(SQ-11725 D9)

Cat. No.: HY-B0804S

Bioactivity: Nadolol D9 is the deuterium labeled Nadolol(SQ-11725), which is a non-selective beta blocker.

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



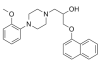
Naftopidil

(KT-611; BM-15275)

Cat. No.: HY-B0391

Bioactivity: Naftopidil (Flivas), a selective α1-adrenergic receptor antagonist or alpha blocker, is an antihypertensive drug.

Purity: 98.83%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 5 g, 10 g



Naphazoline hydrochloride

Cat. No.: HY-B0446

Bioactivity: Naphazoline HCl is an ocular vasoconstrictor and imidazoline derivative sympathomimetic amine.

Purity: 96.55%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 1 g, 5 g, 10 g

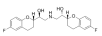
Nebivolol

(R 065824)

Cat. No.: HY-B0203

Bioactivity: Nebivolol selectively inhibits β1- adrenergic receptor with IC50 of 0.8 nM.

Purity: >98%
Clinical Data: Launched
Size: 5 mg, 10 mg, 50 mg



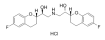
Nebivolol hydrochloride

(R 065824 hydrochloride)

Cat. No.: HY-B0203A

Bioactivity: Nebivolol hydrochloride selectively inhibits β1- adrenergic receptor with IC50 of 0.8 nM.

Purity: 98.0%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg

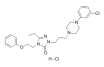


Nefazodone hydrochloride

(BMY-13754; MJ-13754-1) Cat. No.: HY-B1396

Bioactivity: Nefazodone hydrochloride is an antidepressant drug.

Purity: 99.71%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg

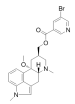


Nicergoline

Cat. No.: HY-B0702

Bioactivity: Nicergoline is an ergot derivative used to treat senile dementia and other disorders with vascular origins. Target: Alpha-1A adrenergic receptor Nicergoline acts by inhibiting the postsynaptic alpha(1)-adrenoceptors on vascular smooth muscle. This inhibits the vasoconstrictor effect of...

Purity: 99.06%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg

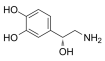


Norepinephrine

(Levarterenol; L-Noradrenaline) Cat. No.: HY-13715

Bioactivity: Norepinephrine (Levarterenol; L-Noradrenaline) is a β_1-selective **adrenergic receptor** agonist with **EC_{50}** of 5.37 μM.

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

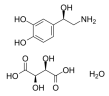


Norepinephrine bitartrate monohydrate (Levarterenol

(bitartrate monohydrate); ...) Cat. No.: HY-13715B

Bioactivity: Norepinephrine bitartrate monohydrate (Levarterenol bitartrate monohydrate; L-Noradrenaline bitartrate monohydrate) is a β_1-selective **adrenergic receptor** agonist with **EC_{50}** of 5.37 μM.

Purity: 99.75%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 500 mg, 1 g, 5 g

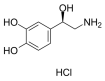


Norepinephrine hydrochloride (Levarterenol (hydrochloride);

L-Noradrenaline (hydrochloride)) Cat. No.: HY-13715A

Bioactivity: Norepinephrine hydrochloride (Levarterenol hydrochloride; L-Noradrenaline hydrochloride) is a β_1-selective **adrenergic receptor** agonist with **EC_{50}** of 5.37 μM.

Purity: >98%
Clinical Data: Launched
Size: 500 mg, 1 g, 5 g

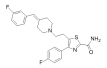


NRA-0160

Cat. No.: HY-101641

Bioactivity: NRA-0160 is a selective **dopamine D4 receptor** antagonist, with a **K_i** value of 0.48 nM and with negligible affinity for **dopamine D2 receptor** (**K_i**: >10000 nM), **D3 receptor** (**K_i**: 39 nM), rat **5-HT2A receptor** (**K_i**: 180 nM) and rat

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

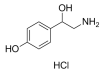


Octopamine hydrochloride

((±)-p-Octopamine hydrochlorid) Cat. No.: HY-B0528A

Bioactivity: Octopamine Hydrochloride is an endogenous biogenic amine that is closely related to norepinephrine, and has effects on the adrenergic and dopaminergic systems.

Purity: 99.0%
Clinical Data: No Development Reported
Size: 10mM x 1mL in Water, 1 g, 5 g

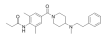


OPC-28326

Cat. No.: HY-101610

Bioactivity: OPC-28326 is a selective peripheral vasodilator and an angatonist of **α2-adrenergic receptor**, with **K_i** of 2040, 285, and 55nM for α2A-, α2B- and α2C-adrenoceptors, respectively.

Purity: >98%
Clinical Data: No Development Reported
Size: 250 mg, 500 mg

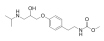


Pamatolol

Cat. No.: HY-U00019

Bioactivity: Pamatolol is a cardioselective **beta-adrenoceptor** antagonist without sympathomimetic activity.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

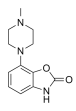


Pardoprunox

(SLV-308; DU-126891) Cat. No.: HY-14958

Bioactivity: Pardoprunox(SLV-308) is a novel partial dopamine D2 and D3 receptor agonist and serotonin 5-HT1A receptor agonist; D2 (pKi = 8.1) and D3 receptor (pKi = 8.6) partial agonist (IA = 50% and 67%, respectively) and 5-HT1A receptor (pKi = 8.5) full agonist (IA = 100%); also binds to D4 (pKi = 7.8),...

Purity: >98%
Clinical Data: Phase 3
Size: 5 mg, 10 mg, 50 mg, 100 mg

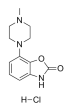


Pardoprunox hydrochloride

(SLV-308 hydrochloride; DU-126891 hydrochloride) Cat. No.: HY-14958A

Bioactivity: Pardoprunox hydrochloride is a novel partial dopamine D2 and D3 receptor agonist and serotonin 5-HT1A receptor agonist, D2 (pKi = 8.1) and D3 receptor (pKi = 8.6) partial agonist and 5-HT1A receptor (pKi = 8.5) full agonist.

Purity: 98.89%
Clinical Data: Phase 3
Size: 5 mg, 10 mg, 50 mg, 100 mg

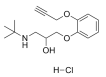


Pargolol hydrochloride

(Ko 1400 hydrochloride) Cat. No.: HY-101658

Bioactivity: Pargolol hydrochloride is a **β adrenergic receptor** antagonist.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

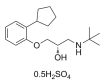


Penbutolol sulfate

((-)-Terbuclomine) Cat. No.: HY-B1154

Bioactivity: Penbutolol sulfate is able to bind to both beta-1 adrenergic receptors and beta-2 adrenergic receptors (the two subtypes), thus making it a non-selective β blocker. Penbutolol is a sympathomimetic drugused in the treatment of high blood pressure.

Purity: 99.62%
Clinical Data: Launched
Size: 10mM x 1mL in Water, 10 mg, 50 mg

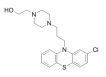


Perphenazine

Cat. No.: HY-A0077

Bioactivity: Perphenazine is a typical antipsychotic drug, inhibits **5-HT$_{2A}$receptor, Alpha-1A adrenergic receptor, Dopamine receptor D2/D3, D2L receptor**, and **Histamine H1 receptor**, with **K$_i$** values of 5.6, 10, 0.765/0.13, 3.4, and 8 ...

Purity: 99.90%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 1 g, 5 g

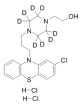


Perphenazine D8 Dihydrochloride

Cat. No.: HY-A0077AS

Bioactivity: Perphenazine D8 Dihydrochloride is the deuterium labeled Perphenazine, which is a typical antipsychotic drug(5-HT, Dopamine receptor ligand).

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

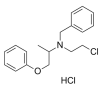


Phenoxybenzamine hydrochloride

Cat. No.: HY-B0431A

Bioactivity: Phenoxybenzamine hydrochloride is a selective antagonist of both **α-adrenoceptor** and **calmodulin** that is commonly used for the treatment of hypertension, specifically caused by pheochromocytoma.

Purity: 98.0%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 200 mg, 500 mg, 1 g

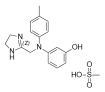


Phentolamine mesylate

(Phentolamine methanesulfonate) Cat. No.: HY-B0362A

Bioactivity: Phentolamine mesylate is a competitive, reversible **α-adrenoceptor** antagonist with an **IC$_{50}$** between 5 and 30 nM.

Purity: 99.83%
Clinical Data: Launched
Size: 10mM x 1mL in Water, 100 mg, 500 mg

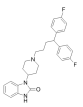


Pimozide

(R6238) Cat. No.: HY-12987

Bioactivity: Pimozide is a **dopamine receptor** antagonist, with **K$_i$**s of 1.4 nM, 2.5 nM and 588 nM for dopamine D2, D3 and D1 receptors, respectively, and also has affinity at **α1-adrenoceptor**, with a **K$_i$** of 39 nM; Pimozide also inhib...

Purity: 99.88%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 50 mg

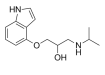


Pindolol

(LB-46) Cat. No.: HY-B0982

Bioactivity: Pindolol (LB-46) is a nonselective β-blocker with partial beta-adrenergic receptor agonist activity, also functions as a 5-HT1A receptor weak partial agonist / antagonist (Ki=33nM).

Purity: 99.84%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg

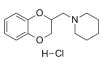


Piperoxan hydrochloride

(Benodaine hydrochloride) Cat. No.: HY-100850

Bioactivity: Piperoxan hydrochloride is an α $_2$ adrenoceptor antagonist.

Purity: 99.68%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 2 mg, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

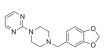


Piribedil

Cat. No.: HY-12707

Bioactivity: Piribedil is a **dopamine D_2 receptor** (**D_2R**) agonist which also displays antagonist property at **hα_{1A}-adrenoceptor** (**hα_{1A}-AR**).

Purity: 99.90%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg, 200 mg, 500 mg



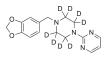
Piribedil D8

(ET-495 D8)

Cat. No.: HY-12707S

Bioactivity: Piribedil D8 is the deuterium labeled Piribedil, which is an antiparkinsonian agent.

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

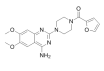


Prazosin

Cat. No.: HY-B0193

Bioactivity: Prazosin is an alpha-adrenergic blocker and is a sympatholytic drug used to treat high blood pressure and anxiety, PTSD, and panic disorder.

Purity: >98%
Clinical Data: Launched
Size: 10 mg

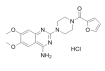


Prazosin hydrochloride

Cat. No.: HY-B0193A

Bioactivity: Prazosin is an alpha-adrenergic blocker and is a sympatholytic drug used to treat high blood pressure and anxiety, PTSD, and panic disorder. Target: Adrenergic Receptor Prazosin, is a sympatholytic drug used to treat high blood pressure and anxiety, PTSD, andpanic disorder. It is an alpha-adrenergic...

Purity: 99.73%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg, 200 mg, 500 mg



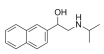
Pronethalol

((±)-Pronethalo)

Cat. No.: HY-B1238

Bioactivity: Pronethalol is a non-selective beta-adrenergic blocking agent, protect against and to reverse Digitalis-induced ventricular arrhythmias. Target: beta-adrenergic receptor

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

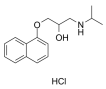


Propranolol hydrochloride

Cat. No.: HY-B0573

Bioactivity: Propranolol hydrochloride is a nonselective β-adrenergic receptor (**βAR**) antagonist with an **IC_{50}** of 12 nM.

Purity: 99.92%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg, 500 mg, 1 g

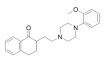


QF0301B

Cat. No.: HY-101690

Bioactivity: QF0301B is an **α1 adrenergic receptor** antagonist and a low α2 adrenoceptor, 5-HT2A, and histamine H1 receptor blocker.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

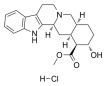


Rauwolscine hydrochloride (α-Yohimbine hydrochloride; Corynanthidine hydrochloride; Isoyohimbine hydrochloride)

Cat. No.: HY-12710A

Bioactivity: Rauwolscine hydrochloride is a potent and specific **α2 adrenergic** receptor antagonist with a **K_i** of 12 nM.

Purity: 99.16%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 50 mg, 100 mg



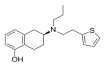
Rotigotine

(N-0437; N-0923)

Cat. No.: HY-75502

Bioactivity: Rotigotine is a full agonist of **dopamine receptor**, a partial agonist of the **5-HT1A receptor**, and an antagonist of the **α2B-adrenergic receptor**, with **K_i**s of 0.71nM, 4-15nM, and 83nM for the dopamine D3 receptor and D2, D5, D4 receptors, and dopamine D1 receptor.

Purity: 99.98%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg



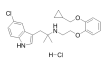
RS 17053 hydrochloride

(RS-17053)

Cat. No.: HY-101336

Bioactivity: RS 17053 hydrochloride is a potent and selective **α1$_A$ adrenoceptor** antagonist, with a **pK_i** value of 9.1 in native cell membrane and a **pA_2** value of 9.8 in functional assays.

Purity: 99.25%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg

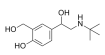


Salbutamol

(Albuterol; AH-3365) Cat. No.: HY-B1037

Bioactivity: Salbutamol is a short-acting β2-adrenergic receptor agonist used for the relief of bronchospasm in conditions such as asthma and chronic obstructive pulmonary disease (COPD).

Purity: >98%
Clinical Data: Launched
Size: 10 mg, 50 mg, 100 mg

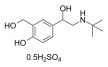


Salbutamol hemisulfate

(Albuterol (hemisulfate); AH-3365 (hemisulfate)) Cat. No.: HY-B0436

Bioactivity: Salbutamol Hemisulfate is a short-acting β2 adrenergic receptor agonist Target: β2 Adrenergic Receptor Salbutamol is a short-acting, selective beta2-adrenergic receptor agonist used in the treatment of asthma and COPD. All the effects of R,S-salbutamol on guinea-pig skeletal muscles are due to the...

Purity: 98.0%
Clinical Data: Launched
Size: 10mM x 1mL in Water, 100 mg, 500 mg

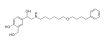


Salmeterol

(GR33343X) Cat. No.: HY-14302

Bioactivity: Salmeterol is a long-acting beta2-adrenergic receptor (beta 2AR) agonist used clinically to treat asthma.

Purity: 99.68%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg

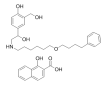


Salmeterol xinafoate

(GR 33343X xinafoate) Cat. No.: HY-17453

Bioactivity: Salmeterol xinafoate is a long-acting beta-2 adrenergic receptor (**β_2AR**) agonist, with **K_i** of 1.5 nM for WT β_2AR, and used for asthma treatment.

Purity: 97.66%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg, 200 mg

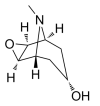


Scopine

(6,7-Epoxytropine) Cat. No.: HY-B0459

Bioactivity: Scopine is the metabolite of anisodine, which is a α1-adrenergic receptor agonist and used in the treatment of acute circulatory shock.

Purity: >98%
Clinical Data: No Development Reported
Size: 10 mg, 50 mg, 100 mg

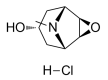


Scopine hydrochloride

(6,7-Epoxytropine hydrochloride) Cat. No.: HY-B0459A

Bioactivity: Scopine Hcl salt is the metabolite of anisodine, which is a α1-adrenergic receptor agonist and used in the treatment of acute circulatory shock.

Purity: 98.0%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg

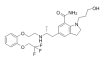


Silodosin

(KAD 3213; KMD 3213) Cat. No.: HY-10122

Bioactivity: Silodosin (Rapaflo; KMD-3213) is an α1-adrenoceptor antagonist with high uroselectivity; In treatment of dysuria.

Purity: 99.96%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg

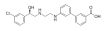


Solabegron

(GW 427353) Cat. No.: HY-19436

Bioactivity: Solabegron (GW 427353) is a selective **β_3-adrenergic receptor** agonist, stimulating cAMP accumulation in Chinese hamster ovary cells expressing the human β_3-AR, with an **EC_{50}** value of 22 nM [1]. Solabegron (GW 427353) is being developed ...

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

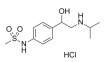


Sotalol hydrochloride

(MJ-1999) Cat. No.: HY-B0437

Bioactivity: Sotalol Hydrochloride is an adrenergic beta-antagonist that is used in the treatment of life-threatening arrhythmias. Target: Adrenergic Receptor Sotalol is a non-selective competitive β-adrenergic receptor blocker that also exhibits Class III antiarrhythmic properties by its inhibition of potassium...

Purity: 99.77%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 50 mg, 100 mg, 200 mg, 500 mg, 1 g

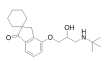


Spirendolol

(Li 32-468; S 32-468; Substance 32468) Cat. No.: HY-101817

Bioactivity: Spirendolol is a **β adrenergic receptor** antagonist.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

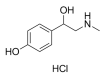


Synephrine hydrochloride

(Oxedrine hydrochloride) Cat. No.: HY-N0132A

Bioactivity: Synephrine Hcl(Oxedrine) is an alkaloid; synephrine produces most of its biological effects by acting as an agonist at adrenergic receptors.

Purity: 99.83%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 100 mg, 500 mg

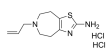


Talipexole dihydrochloride

(B-HT 920 (dihydrochloride)) Cat. No.: HY-A0008

Bioactivity: Talipexole dihydrochloride (B-HT 920 dihydrochloride) is a dopamine D2 receptor agonist, α2-adrenoceptor agonist and 5-HT3 receptor antagonist, which displays antiParkinsonian activity.

Purity: 99.99%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg

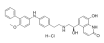


TD-5471 hydrochloride

Cat. No.: HY-19942A

Bioactivity: TD-5471 hydrochloride is a potent and selective full agonist of the human **β_2-adrenoceptor**.

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

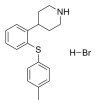


Tedatioxetine hydrobromide

(Lu AA 24530 hydrobromide) Cat. No.: HY-101755

Bioactivity: Tedatioxetine hydrobromide acts as a triple reuptake inhibitor and **5-HT_{2A}**, **5-HT_{2C}**, **5-HT_3** and **α_{1A}-adrenergic receptor** antagonist.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg



Teoprolol

Cat. No.: HY-U00016

Bioactivity: Teoprolol is a **β-adrenergic receptor** blocker.

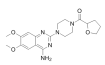
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

Terazosin

Cat. No.: HY-B0371

Bioactivity: Terazosin is a selective alpha1-antagonist used for treatment of symptoms of benign prostatic hyperplasia (BPH).

Purity: >98%
Clinical Data: Launched
Size: 100 mg, 500 mg

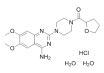


Terazosin hydrochloride dihydrate

Cat. No.: HY-B0371A

Bioactivity: Terazosin Hydrochloride dihydrate is a selective alpha1-antagonist used for treatment of symptoms of benign prostatic hyperplasia (BPH).

Purity: 99.85%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg

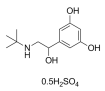


Terbutaline sulfate

(Terbutaline hemisulfate) Cat. No.: HY-B0802

Bioactivity: Terbutaline sulfate is a β2-adrenergic receptor agonist; a fast-acting bronchodilator and a tocolytic to delay premature labor.

Purity: 98.0%
Clinical Data: Launched
Size: 10mM x 1mL in Water, 1 g, 5 g

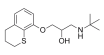


Tertatolol

((±)-Tertatolol; Racemic Tertatolol; dl-Tertatolol) Cat. No.: HY-U00356

Bioactivity: Tertatolol is a potent antagonist of **beta-adrenoceptor** and **5-HT receptor**, with unique renal vasodilatatory effects.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

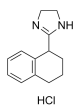


Tetrahydrozoline hydrochloride

(Tetryzoline hydrochloride) Cat. No.: HY-B0556A

Bioactivity: Tetrahydrozoline (hydrochloride) is a α-adrenoceptor agonist.

Purity: 99.90%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 1 g, 5 g



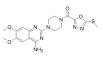
Tiodazosin

(BL-5111)

Cat. No.: HY-100255

Bioactivity: Tiodazosin is a potent competitive postsynaptic **alpha adrenergic receptor** antagonist.

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

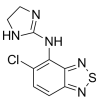


Tizanidine

Cat. No.: HY-B0194

Bioactivity: Tizanidine is an α2-adrenergic receptor agonist and inhibits neurotransmitter release from CNS noradrenergic neurons.

Purity: >98%
Clinical Data: Launched
Size: 10 mg, 50 mg, 100 mg

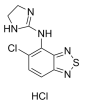


Tizanidine hydrochloride

Cat. No.: HY-B0194A

Bioactivity: Tizanidine hydrochloride is an α2-adrenergic receptor agonist and inhibits neurotransmitter release from CNS noradrenergic neurons. Target: α2-adrenergic receptor Tizanidine is a drug that is used as a muscle relaxant. It is a centrally acting α2 adrenergic agonist. It is used to treat the spasms, cramping,...

Purity: 99.48%
Clinical Data: Launched
Size: 10mM x 1mL in Water, 10 mg, 50 mg, 100 mg



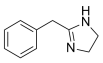
Tolazoline

(Imidaline; NSC35110)

Cat. No.: HY-A0066

Bioactivity: Tolazoline(Imidaline) is a non-selective competitive α-adrenergic receptor antagonist.

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



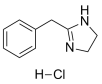
Tolazoline hydrochloride

(Imidaline (hydrochloride); NSC35110 (hydrochloride))

Cat. No.: HY-A0066A

Bioactivity: Tolazoline (hydrochloride)(Imidaline (hydrochloride)) Hcl is a non-selective competitive α-adrenergic receptor antagonist. IC50 value: Target: α-adrenoceptor antagonist Tolazoline can be synthesized by the heterocyclation of the ethyl ester of iminophenzylacetic acid with ethylene diamine, which forms the...

Purity: 99.0%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 1 g, 5 g



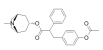
Tropodifene

(Tropaphen)

Cat. No.: HY-U00313

Bioactivity: Tropodifene (Tropaphen) is an **α-Adrenergic receptor** inhibitor.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

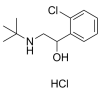


Tulobuterol hydrochloride

Cat. No.: HY-W011733

Bioactivity: Tulobuterol hydrochloride is a **β2-adrenoceptor** agonist.

Purity: 99.82%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 50 mg, 100 mg, 500 mg

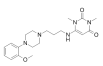


Urapidil

Cat. No.: HY-B0716

Bioactivity: Urapidil is an **α1 adrenoreceptor** antagonist and a **5-HT$_{1A}$ receptor** agonist.

Purity: 99.89%
Clinical Data: No Development Reported
Size: 50 mg

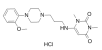


Urapidil hydrochloride

Cat. No.: HY-B0354A

Bioactivity: Urapidil HCl is an α1-adrenoceptor antagonist and 5-HT1A receptor agonist.

Purity: >98%
Clinical Data: Launched
Size: 100 mg, 500 mg



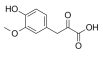
Vanilpyruvic acid

(Vanylpyruvic acid)

Cat. No.: HY-101416

Bioactivity: Vanilpyruvic acid is a catecholamine metabolite and precursor to vanillactic acid.

Purity: 98.0%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 10 mg

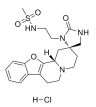


Vatinoxan hydrochloride

(MK-467 hydrochloride; L-659066 hydrochloride) Cat. No.: HY-19057A

Bioactivity: Vatinoxan hydrochloride (MK-467 hydrochloride;L-659066 hydrochloride) is a peripheral **α2 adrenergic receptor** antagonist.

Purity: 99.25%
Clinical Data: No Development Reported
Size: 10mM x 1mL in Water,
5 mg, 10 mg, 25 mg



Vilanterol

(GW642444X; GW642444) Cat. No.: HY-14300

Bioactivity: Vilanterol is a long-acting **β_2-adrenoceptor** (β_2-AR) agonist with 24 h activity. The **pEC_{50}**s for β_2-AR,β_1-AR and β_3-AR is 10.37±0.05, 6.98±0.03 and 7.36±0.03, respectively.

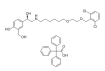
Purity: 95.06%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO,
5 mg, 10 mg, 50 mg, 100 mg

Vilanterol trifenatate

(GW642444M) Cat. No.: HY-14300A

Bioactivity: Vilanterol trifenatate is a long-acting **β_2-adrenoceptor** (β_2-AR) agonist with inherent 24-hour activity. The **pEC_{50}**s for β_2-AR, β_1-AR and β_3-AR are 10.37, 6.98 and 7.36, respectively.

Purity: 99.02%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO,
5 mg, 10 mg, 50 mg, 100 mg

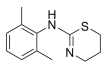


Xylazine

(BAY 1470) Cat. No.: HY-B0443

Bioactivity: Xylazine is α2 class of adrenergic receptor agonist.

Purity: >98%
Clinical Data: No Development Reported
Size: 100 mg, 500 mg

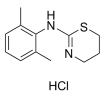


Xylazine hydrochloride

(BAY 1470 hydrochloride) Cat. No.: HY-B0443A

Bioactivity: Xylazine Hydrochloride is α2 class of adrenergic receptor agonist.

Purity: 99.90%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO,
100 mg, 500 mg

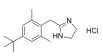


Xylometazoline hydrochloride

Cat. No.: HY-B0475

Bioactivity: Xylometazoline Hydrochloride is an α-adrenoceptor agonist commonly used as nasal decongestant.

Purity: 99.88%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO,
1 g

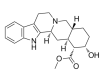


Yohimbine

Cat. No.: HY-12715

Bioactivity: Yohimbine is a potent and relatively nonselective alpha 2-adrenergic receptor (AR) antagonist, with IC50 of 0.6 μM. IC50 value: 0.6 uM [1] Target: alpha 2-adrenergic receptor in vitro: Yohimbine inhibits alpha2-receptor antagonist with Ki of 1.05 nM, 1.19 nM, and 1.19 nM for α2A, α2B, α2C,...

Purity: >98%
Clinical Data: Phase 4
Size: 1 g

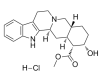


Yohimbine Hydrochloride

Cat. No.: HY-N0127

Bioactivity: Yohimbine hydrochloride is an alpha 2-adrenoreceptor antagonist, blocking the pre- and postsynaptic alpha-2 adrenoreceptors and causing an increased release of noradrenaline and dopamine. IC50 value: Target: In vitro: In vivo: Yohimbine hydrochloride (0.2 mg/kg, i.p.) was...

Purity: 99.85%
Clinical Data: Phase 4
Size: 10mM x 1mL in DMSO,
1 g

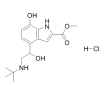


ZK-90055 hydrochloride

Cat. No.: HY-U00293

Bioactivity: ZK-90055 hydrochloride is a **β2 adrenergic receptor** agonist.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

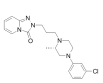


α1 adrenoceptor-MO-1

Cat. No.: HY-U00333

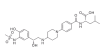
Bioactivity: α1 adrenoceptor-MO-1, an S enantiomer, has affinity at **alpha 1 adrenergic receptor**, shows alphalytic activity, and possesses analgesic action; more active than R enantiomer.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg



β3-AR agonist 2

Cat. No.: HY-U00391

Bioactivity: β $_3$-AR agonist 2 is a potent and selective **β_3-adrenergic receptor** (**β_3-AR**) agonist with an **EC_{50}** of 8 nM.

Purity: >98%
Clinical Data: No Development Reported
Size: 500 mg, 250 mg