Serotonin Transporter

5-HTT; SERT; SLC6A4

Serotonin Transporters (SERTs) are integral membrane proteins that transport serotonin from synaptic spaces into presynaptic neurons. SERTs function by reuptaking serotonin in the synaptic cleft, effectively terminating the function of serotonin and halting neuronal transmission. Serotonin reuptake is a critical process to prevent overstimulation of nerves.

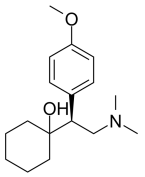
Serotonin transporter (SERT) regulates extracellular levels of serotonin (5-hydroxytryptamine, 5HT) in the brain by transporting 5HT into neurons and glial cells. The human SERT (hSERT) is the primary target for drugs used in the treatment of emotional disorders, including depression. hSERT belongs to the solute carrier 6 family that includes a bacterial leucine transporter (LeuT), for which a high resolution crystal structure has become available.

Serotonin Transporter Inhibitors & Antagonists

(S)-Venlafaxine

Cat. No.: HY-B0196B

(S)-Venlafaxine is the (S)-configuration of Venlafaxine. Venlafaxine is an orally active, potent serotonin (5-HT)/norepinephrine (NE) reuptake dual inhibitor. Venlafaxine is an antidepressant agent.

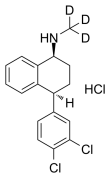


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

(±)-cis-Sertraline-d3 hydrochloride

Cat. No.: HY-B0176AS1

(±)-cis-Sertraline-d3 hydrochloride is the deuterium labeled Sertraline hydrochloride. Sertraline hydrochloride is an antidepressant of the selective **serotonin reuptake** inhibitor (SSRI) class.



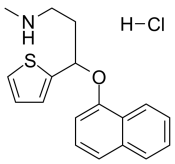
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 10 mg

(±)-Duloxetine hydrochloride

((Rac)-Duloxetine hydrochloride)

Cat. No.: HY-B0161E

(±)-Duloxetine ((Rac)-Duloxetine) hydrochloride is the racemate of Duloxetine hydrochloride.



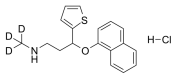
Purity: >98%
Clinical Data: No Development Reported
Size: 10 mg

(±)-Duloxetine-d3 hydrochloride

((Rac)-Duloxetine-d3 hydrochloride)

Cat. No.: HY-B0161ES

(±)-Duloxetine-d3 (hydrochloride) is deuterium labeled (±)-Duloxetine (hydrochloride). (±)-Duloxetine ((Rac)-Duloxetine) hydrochloride is the racemate of Duloxetine hydrochloride.

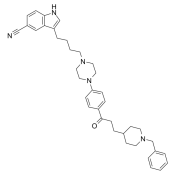


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

AChE-IN-5

Cat. No.: HY-144272

AChE-IN-5 (compound 5) exhibits strong in vitro bioactivity against **AChE/5-HT$_{1A}$/SERT** and exhibits good BBB permeability. AChE-IN-5 shows IC_{50} value 2.29 nM against AChE, EC_{50} 58.6 nM against 5-HT_{1A} and IC50 value against SERT. Orally active.



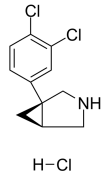
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Amitifadine hydrochloride

(DOV-21947 hydrochloride; EB-1010 hydrochloride)

Cat. No.: HY-18332A

Amitifadine hydrochloride is a serotonin-norepinephrine-dopamine reuptake inhibitor **(SNDRI)**, with **IC_{50}s** of 12, 23, 96 nM for serotonin, norepinephrine and dopamine in HEK 293 cells , respectively.

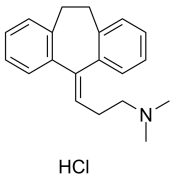


Purity: 99.86%
Clinical Data: Phase 3
Size: 10 mM × 1 mL, 5 mg, 10 mg, 50 mg

Amitriptyline hydrochloride

Cat. No.: HY-B0527A

Amitriptyline hydrochloride is an inhibitor of **serotonin reuptake transporter (SERT)** and **noradrenaline reuptake transporter (NET)**, with K_is of 3.45 nM and 13.3 nM for human SERT and NET, respectively.

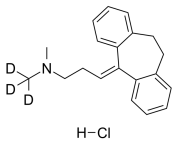


Purity: 99.56%
Clinical Data: Launched
Size: 10 mM × 1 mL, 500 mg, 1 g, 5 g

Amitriptyline-d3 hydrochloride

Cat. No.: HY-135096

Amitriptyline-d3 hydrochloride is the deuterium labeled Amitriptyline (hydrochloride).

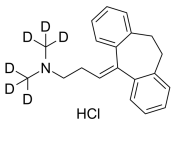


Purity: >98%
Clinical Data: No Development Reported
Size: 2.5 mg, 1 mg, 5 mg, 10 mg

Amitriptyline-d6 hydrochloride

Cat. No.: HY-B0527AS

Amitriptyline-d6 hydrochloride is the deuterium labeled Amitriptyline hydrochloride.

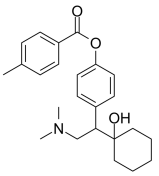


Purity: >98%
Clinical Data: No Development Reported
Size: 2.5 mg, 1 mg, 5 mg, 25 mg

Ansofaxine (Toludesvenlafaxine; LY03005 free base; LPM570065 free base)

Cat. No.: HY-U00096A

Ansofaxine is a serotonin-norepinephrine reuptake inhibitor (SNRI) used for the research of depression.



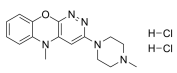
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

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

Azaphen (Azafen; Pipofezin hydrochloride; Pipofezine hydrochloride)

Cat. No.: HY-A0022

Pipofezine(Azafen or Azaphen) is a potent inhibitor of the reuptake of serotonin. IC50 Value: Target: SSRIs Pipofezine is a tricyclic antidepressant (TCA) approved in Russia for the treatment of depression.

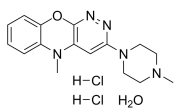


Purity: >98%
Clinical Data: Launched
Size: 100 mg, 500 mg

Azaphen dihydrochloride monohydrate (Azafen dihydrochloride monohydrate; Pipofezin dihydrochloride monohydrate; ...)

Cat. No.: HY-A0022A

Pipofezine(Azafen or Azaphen) is a potent inhibitor of the reuptake of serotonin. IC50 Value: Target: SSRIs Pipofezine is a tricyclic antidepressant (TCA) approved in Russia for the treatment ofdepression.



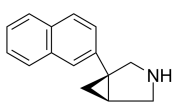
Purity: 99.88%
Clinical Data: Launched
Size: 10 mM × 1 mL, 100 mg, 500 mg

Centanafadine

(EB-1020)

Cat. No.: HY-16736

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.



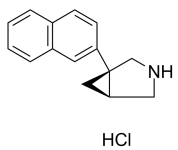
Purity: >98%
Clinical Data: Phase 3
Size: 1 mg, 5 mg

Centanafadine hydrochloride

(EB-1020 hydrochloride)

Cat. No.: HY-16736A

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.



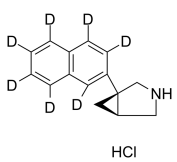
Purity: 99.93%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg

Centanafadine-d7 hydrochloride

(EB-1020-d7 hydrochloride)

Cat. No.: HY-16736AS

Centanafadine-d7 (EB-1020-d7) hydrochloride is the deuterium labeled Centanafadine hydrochloride.



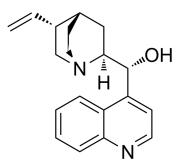
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Cinchonidine

(α-Quinidine)

Cat. No.: HY-N0173

Cinchonidine (α-Quinidine) is a cinchona alkaloid found in Cinchona officinalis and Gongronema latifolium. A building block used in asymmetric synthesis in organic chemistry.

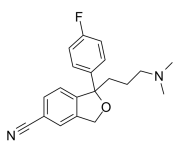


Purity: 97.63%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 100 mg

Citalopram

Cat. No.: HY-121203

Citalopram is marketed as a racemate mixture of the S(+)-enantiomer and R(-)-enantiomer and the active S(+)-enantiomer (Escitalopram) that possess inhibitory effects.



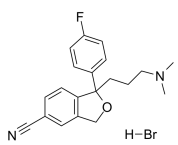
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Citalopram hydrobromide

((±)-Citalopram hydrobromide; Lu 10-171)

Cat. No.: HY-B1287

Citalopram hydrobromide is a **selective serotonin reuptake inhibitor (SSRI)**. Citalopram hydrobromide inhibits 5-HT uptake into synaptosomes with an **IC_{50}** of 1.8 nM. Citalopram hydrobromideinhibits the 5-HT uptake in rabbit blood platelets with an IC_{50} of 14 nM. Antidepressant effect.

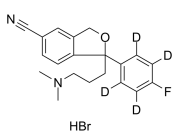


Purity: 99.66%
Clinical Data: Launched
Size: 10 mM × 1 mL, 10 mg, 50 mg, 100 mg

Citalopram-d4 hydrobromide

Cat. No.: HY-121203S

Citalopram-d4 hydrobromide is the deuterium labeled Citalopram hydrobromide. Citalopram hydrobromide is a selective serotonin reuptake inhibitor (SSRI).



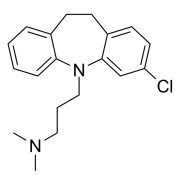
Purity: >98%
Clinical Data: No Development Reported
Size: 2.5 mg, 1 mg

Clomipramine

(Chlorimipramine; G-34586; NSC-169865)

Cat. No.: HY-B0457A

Clomipramine (Chlorimipramine) is a potent **5-HT reuptake** blocker with the **IC_{50}** value of 1.5 nM. Clomipramine is a tricyclic antidepressant that can be used for the research of depression and obsessive compulsive disorder (OCD).

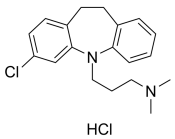


Purity: >98%
Clinical Data: Launched
Size: 1 mg, 5 mg

Clomipramine hydrochloride (Chlorimipramine hydrochloride; G-34586 hydrochloride; NSC-169865 hydrochloride)

Cat. No.: HY-B0457

Clomipramine (Chlorimipramine) hydrochloride is a potent **5-HT reuptake** blocker with the **IC_{50}** value of 1.5 nM. Clomipramine hydrochloride is a tricyclic antidepressant that can be used for the research of depression and obsessive compulsive disorder (OCD).

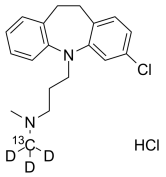


Purity: 99.49%
Clinical Data: Launched
Size: 10 mM × 1 mL, 100 mg, 500 mg

Clomipramine-13C,d3 hydrochloride (Chlorimipramine-13C,d3 hydrochloride; G-3458613C,d3 hydrochloride; ...)

Cat. No.: HY-B0457S2

Clomipramine-13C,d3 (hydrochloride) is the 13C- and deuterium labeled. Clomipramine (Chlorimipramine) hydrochloride is a potent 5-HT reuptake blocker with the IC50 value of 1.5 nM.

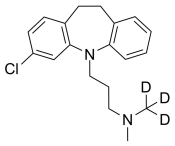


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Clomipramine-d3 (Chlorimipramine-d3; G-34586-d3; NSC-169865-d3)

Cat. No.: HY-B0457AS

Clomipramine-d3 (Chlorimipramine-d3) is the deuterium labeled Clomipramine. Clomipramine is a serotonin transporter (SERT), norepinephrine transporter (NET) dopamine transporter (DAT) blocker with K_i of 0.14, 54 and 3 nM, respectively.

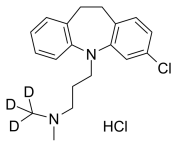


Purity: >98%
Clinical Data: No Development Reported
Size: 5 mg, 10 mg, 25 mg

Clomipramine-d3 hydrochloride (Chlorimipramine-d3 hydrochloride; G-34586-d3 hydrochloride; ...)

Cat. No.: HY-B0457S

Clomipramine-d3 (Chlorimipramine-d3) hydrochloride is a deuterium labeled Clomipramine hydrochloride. Clomipramine hydrochloride is a serotonin transporter (SERT), norepinephrine transporter (NET) dopamine transporter (DAT) blocker with K_i of 0.14, 54 and 3 nM, respectively.

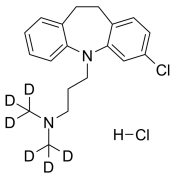


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Clomipramine-d6 hydrochloride (Chlorimipramine-d6 hydrochloride; G-34586-d6 hydrochloride; ...)

Cat. No.: HY-B0457S1

Clomipramine-d6 (Chlorimipramine-d6) hydrochloride is the deuterium labeled Clomipramine hydrochloride. Clomipramine (Chlorimipramine) hydrochloride is a potent **5-HT reuptake** blocker with the **IC_{50}** value of 1.5 nM.

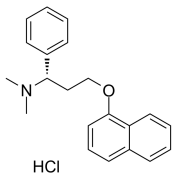


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 10 mg, 50 mg

Dapoxetine hydrochloride (LY-210448 hydrochloride)

Cat. No.: HY-B0304A

Dapoxetine (LY-210448) hydrochloride is an orally active and selective **serotonin reuptake** inhibitor (**SSRI**). Dapoxetine hydrochloride can be used for the research of premature ejaculation (PE).

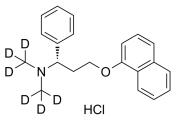


Purity: 99.93%
Clinical Data: Launched
Size: 10 mM × 1 mL, 50 mg, 100 mg

Dapoxetine-d6 hydrochloride (LY-210448-d6 hydrochloride)

Cat. No.: HY-B0304AS1

Dapoxetine-d6 (LY-210448-d6) hydrochloride is the deuterium labeled Dapoxetine hydrochloride. Dapoxetine hydrochloride is a short-acting selective serotonin reuptake inhibitor (SSRI).

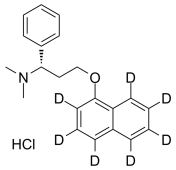


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 10 mg

Dapoxetine-d7 hydrochloride (LY-210448-d7 hydrochloride)

Cat. No.: HY-B0304AS

Dapoxetine-D7 (LY-210448-D7) hydrochloride is the deuterium labeled Dapoxetine hydrochloride. Dapoxetine hydrochloride is a short-acting selective serotonin reuptake inhibitor (SSRI).

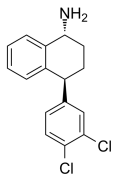


Purity: 99.96%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Dasotraline (SEP 225289)

Cat. No.: HY-12850

Dasotraline is a triple reuptake inhibitor that blocks **dopamine**, **norepinephrine**, and **serotonin** transporters with **IC_{50}** values of 4, 6, and 11 nM, respectively.

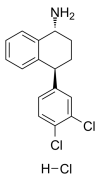


Purity: >98%
Clinical Data: Phase 3
Size: 1 mg, 5 mg

Dasotraline hydrochloride (SEP-225289 hydrochloride)

Cat. No.: HY-12850A

Dasotraline hydrochloride (SEP-225289 hydrochloride) is a triple reuptake inhibitor that blocks **dopamine**, **norepinephrine**, and **serotonin** transporters with **IC_{50}** values of 4, 6, and 11 nM, respectively.

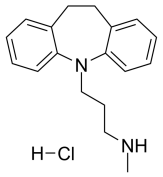


Purity: 99.55%
Clinical Data: Phase 3
Size: 10 mM × 1 mL, 1 mg, 5 mg, 10 mg, 25 mg, 50 mg

Desipramine hydrochloride

Cat. No.: HY-B1272

Desipramine hydrochloride is an inhibitor of **norepinephrine transporter** (**NET**), **5-HT transporter** (**SERT**) and **dopamine transporter** (**DAT**) with K_is of 4, 61 and 78,720 nM, respectively.

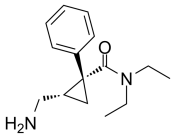


Purity: 99.68%
Clinical Data: Launched
Size: 10 mM × 1 mL, 100 mg, 500 mg

Dextromilnacipran

((1R,2S)-milnacipran; F2696) Cat. No.: HY-14794

Dextromilnacipran (F2696; (1R,2S)-milnacipran), an enantiomer of milnacipran, is a selective serotonin and norepinephrine **(5-HT/NE)** reuptake inhibitor. Dextromilnacipran also is a human alpha-adrenergic receptor antagonist, with an IC_{50} of 3.4 μM. (patent WO2013014263A1).

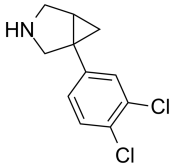


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

DOV-216,303 Free Base

Cat. No.: HY-18332C

DOV-216,303 (Free Base) is a potent triple **serotonin**, norepinephrine, and **dopamine reuptake** inhibitor, with **IC_{50}** values of 14 nM, 20 nM and 78 nM for hSERT, hNET and hDAT, respectively.

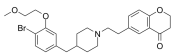


Purity: 98.77%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 5 mg

DSP-1053

Cat. No.: HY-111419

DSP-1053, a benzylpiperidine derivative, is a potent Serotonin Transporter (SERT) inhibitor with a K_i of 1.02 nM. DSP-1053 shows partial 5-HT_{1A} receptor agonistic activity with a K_i of 5.05 nM. DSP-1053 has antidepressant activity.

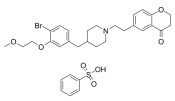


Purity: >98%
Clinical Data: Phase 1
Size: 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

DSP-1053 benzenesulfonate

Cat. No.: HY-111419A

DSP-1053, a benzylpiperidine derivative, is a potent **serotonin transporter (SERT)** inhibitor with a K_i of 1.02 nM. DSP-1053 shows partial **5-HT_{1A}** receptor agonistic activity with a K_i of 5.05 nM. DSP-1053 has antidepressant activity.

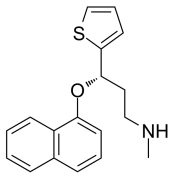


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Duloxetine

((S)-Duloxetine; LY248686) Cat. No.: HY-B0161

Duloxetine is a **serotonin-norepinephrine reuptake** inhibitor with a K_i of 4.6 nM, used for treatment of major depressive disorder and generalized anxiety disorder (GAD).

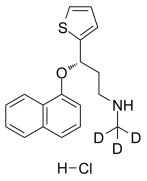


Purity: >98%
Clinical Data: Launched
Size: 5 mg, 10 mg, 25 mg

Duloxetine D3 hydrochloride ((S)-Duloxetine D3 hydrochloride; LY248686 D3 hydrochloride)

Cat. No.: HY-B0161AS

Duloxetine D3 hydrochloride ((S)-Duloxetine D3 hydrochloride) is a deuterium labeled Duloxetine hydrochloride.

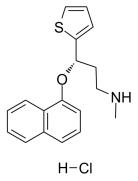


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Duloxetine hydrochloride

((S)-Duloxetine hydrochloride; LY-248686 hydrochloride) Cat. No.: HY-B0161A

Duloxetine hydrochloride ((S)-Duloxetine hydrochloride) is a **serotonin-norepinephrine reuptake** inhibitor (SNRI) with a K_i of 4.6 nM, used for treatment of major depressive disorder and generalized anxiety disorder (GAD).

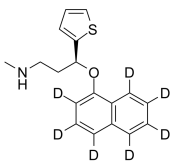


Purity: 99.74%
Clinical Data: Launched
Size: 10 mM × 1 mL, 10 mg, 50 mg, 100 mg

Duloxetine-d7

Cat. No.: HY-B0161S

Duloxetine-d7 ((S)-Duloxetine-d7) is the deuterium labeled Duloxetine. Duloxetine is a **serotonin-norepinephrine reuptake** inhibitor with a K_i of 4.6 nM, used for treatment of major depressive disorder and generalized anxiety disorder (GAD).

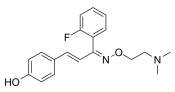


Purity: >98%
Clinical Data:
Size: 1 mg, 10 mg

Eplivanserin (mixture)

(SR-46349 (mixture)) Cat. No.: HY-10792A

Eplivanserin mixture (SR-46349 mixture) is a selective **serotonin reuptake** inhibitor and a **5-HT_{2A} receptor** antagonist, extracted from patent WO 2005/002578 A1.

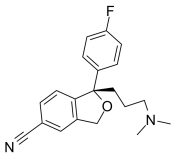


Purity: 99.95%
Clinical Data: No Development Reported
Size: 5 mg, 10 mg, 50 mg, 100 mg

Escitalopram

((S)-Citalopram; (S)-(+)-Citalopram) Cat. No.: HY-14258

Escitalopram ((S)-Citalopram), the S-enantiomer of racemic Citalopram, is a selective **serotonin reuptake** inhibitor (SSRI) with a K_i of 0.89 nM.

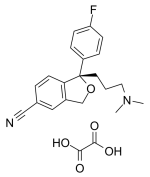


Purity: >98%
Clinical Data: Launched
Size: 5 mg, 10 mg, 25 mg

Escitalopram oxalate

((S)-Citalopram oxalate; (S)-(+)-Citalopram oxalate) Cat. No.: HY-14258A

Escitalopram ((S)-Citalopram) oxalate, the S-enantiomer of racemic Citalopram, is a selective **serotonin reuptake** inhibitor (SSRI) with a K_i of 0.89 nM.

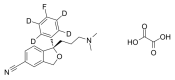


Purity: 99.53%
Clinical Data: Launched
Size: 10 mM × 1 mL, 10 mg, 50 mg, 100 mg

Escitalopram-d4 oxalate

((S)-Citalopram-d4 oxalate; (S)-(+)-Citalopram-d4 oxalate) Cat. No.: HY-14258AS1

Escitalopram-d4 (oxalate) is deuterium labeled Escitalopram (oxalate). Escitalopram ((S)-Citalopram) oxalate, the S-enantiomer of racemic Citalopram, is a selective serotonin reuptake inhibitor (SSRI) with a Ki of 0.89 nM.

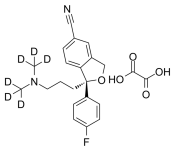


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Escitalopram-d6 oxalate

Cat. No.: HY-14258AS

Escitalopram-d6 oxalate is the deuterium labeled Escitalopram oxalate. Escitalopram ((S)-Citalopram) oxalate, the S-enantiomer of racemic Citalopram, is a selective **serotonin reuptake** inhibitor (SSRI) with a K_i of 0.89 nM.

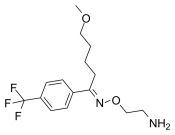


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 10 mg

Fluvoxamine

(DU-23000) Cat. No.: HY-B0103

Fluvoxamine (DU-23000) is an antidepressant which functions pharmacologically as a selective serotonin reuptake inhibitor.

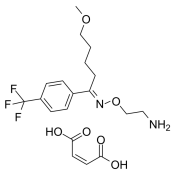


Purity: 99.82%
Clinical Data: Launched
Size: 10 mg, 25 mg

Fluvoxamine maleate

(DU-23000 maleate) Cat. No.: HY-B0103A

Fluvoxamine maleate (DU-23000 maleate) is an antidepressant which functions pharmacologically as a selective serotonin reuptake inhibitor.

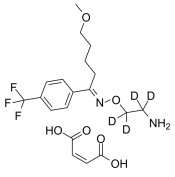


Purity: 99.63%
Clinical Data: Launched
Size: 10 mM × 1 mL, 10 mg, 50 mg, 100 mg

Fluvoxamine-d4 maleate

(DU-23000-d4 maleate) Cat. No.: HY-B0103AS1

Fluvoxamine-d4 (DU-23000-d4) maleate is the deuterium labeled Fluvoxamine maleate. Fluvoxamine maleate (DU-23000 maleate) is an antidepressant which functions pharmacologically as a selective serotonin reuptake inhibitor.

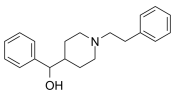


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Glemanserin

(MDL11939) Cat. No.: HY-101250

Glemanserin (MDL11939) is a potent and selective antagonist for serotonin receptor **5-HT$_{2A}$** (K_i=2.89, 0.54 and 2.5 nM for rat 5-HT$_{2A}$, rabbit 5-HT$_{2A}$ and human 5-HT$_{2A}$, respectively).

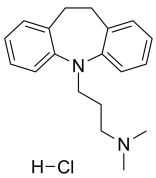


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Imipramine hydrochloride

Cat. No.: HY-B1490

Imipramine hydrochloride inhibits **serotonin** transporter with an **IC$_{50}$** value of 32 nM. Imipramine hydrochloride is reported to prevent the translocation of aSMase, inhibiting MV and exosomes secretion.

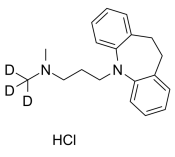


Purity: 99.93%
Clinical Data: Launched
Size: 10 mM × 1 mL, 100 mg

Imipramine-d3 hydrochloride

Cat. No.: HY-B1490S1

Imipramine-d3 (hydrochloride) is deuterium labeled Imipramine (hydrochloride). Imipramine hydrochloride inhibits serotonin transporter with an IC50 value of 32 nM. Imipramine hydrochloride is reported to prevent the translocation of aSMase, inhibiting MV and exosomes secretion.

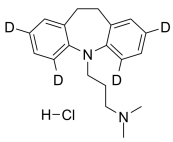


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Imipramine-d4 hydrochloride

Cat. No.: HY-B1490S

Imipramine-d4 hydrochloride is the deuterium labeled Imipramine hydrochloride. Imipramine hydrochloride inhibits **serotonin** transporter with an IC_{50} value of 32 nM. Imipramine hydrochloride is reported to prevent the translocation of aSMase, inhibiting MV and exosomes secretion.

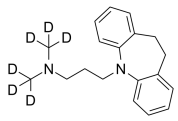


Purity: >98%
Clinical Data: No Development Reported
Size: 2.5 mg, 1 mg, 5 mg, 10 mg

Imipramine-d6

Cat. No.: HY-B1490AS

Imipramine-d6 is the deuterium labeled Imipramine hydrochloride. Imipramine hydrochloride inhibits **serotonin** transporter with an IC_{50} value of 32 nM. Imipramine hydrochloride is reported to prevent the translocation of aSMase, inhibiting MV and exosomes secretion.



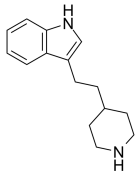
Purity: >98%
Clinical Data:
Size: 2.5 mg, 25 mg

Indalpine

(LM 5008)

Cat. No.: HY-A0160

Indalpine (LM 5008) is a potent and selective **5-HT uptake** blocker. Indalpine is potent in displacing ^{3}H-5-HT bound to brain membranes with the IC_{50} of 36 μM. Indalpine, two antidepressant agent.



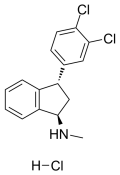
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Indatraline hydrochloride

(Lu 19-005)

Cat. No.: HY-110019

Indatraline hydrochloride (Lu 19-005) is a non-selective **monoamine transporter** inhibitor that blocks the reuptake of neurotransmitters (**dopamine**, **serotonin**, and **norepinephrine**) with efficacy similar to cocaine.

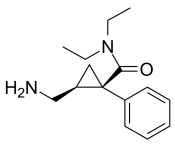


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Milnacipran

Cat. No.: HY-B0168

Milnacipran is a serotonin-norepinephrine reuptake inhibitor (SNRI) used in the clinical treatment of fibromyalgia. Target: SNRI Milnacipran (Ixel, Savella, Dalcipran, Toledomin) is a serotonin-norepinephrine reuptake inhibitor (SNRI) used in the clinical treatment of fibromyalgia.



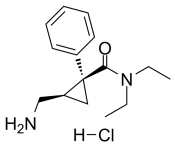
Purity: >98%
Clinical Data: Launched
Size: 5 mg, 10 mg, 25 mg

Milnacipran ((1S-cis) hydrochloride)

(Levomilnacipran hydrochloride; F-2695 hydrochloride)

Cat. No.: HY-B0168B

Milnacipran (1S-cis) hydrochloride is a serotonin-norepinephrine reuptake inhibitor (SNRI), used in the clinical treatment of fibromyalgia.

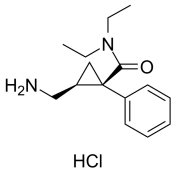


Purity: 99.94%
Clinical Data: Launched
Size: 10 mM × 1 mL, 5 mg, 10 mg, 50 mg

Milnacipran hydrochloride

Cat. No.: HY-B0168A

Milnacipran hydrochloride is a serotonin-norepinephrine reuptake inhibitor (SNRI) used in the clinical treatment of fibromyalgia.

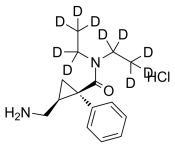


Purity: 99.87%
Clinical Data: Launched
Size: 10 mM × 1 mL, 10 mg, 50 mg, 100 mg, 200 mg

Milnacipran-d10 hydrochloride

Cat. No.: HY-B0168S

Milnacipran-d10 hydrochloride is the deuterium labeled Milnacipran hydrochloride. Milnacipran hydrochloride is a serotonin-norepinephrine reuptake inhibitor (SNRI) used in the clinical treatment of fibromyalgia.

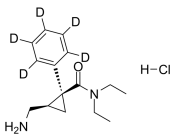


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 10 mg

Milnacipran-d5 ((1S-cis) hydrochloride) (Levomilnacipran-d5 hydrochloride; F-2695-d5 hydrochloride)

Cat. No.: HY-B0168BS

Milnacipran-d5 ((1S-cis) hydrochloride) is deuterium labeled Milnacipran ((1S-cis) hydrochloride).

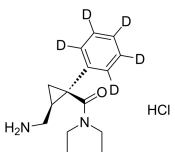


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Milnacipran-d5 hydrochloride

Cat. No.: HY-B0168AS

Milnacipran-d5 (hydrochloride) is deuterium labeled Milnacipran (hydrochloride).

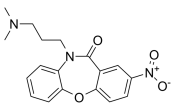


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Nitroxazepine

(CIBA 2330Go) Cat. No.: HY-101684

Nitroxazepine is a tricyclic antidepressant (TCA) for the research of depression. Nitroxazepine acts as a serotonin-norepinephrine reuptake inhibitor.

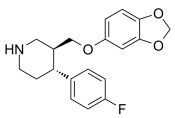


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Paroxetine

Cat. No.: HY-122272

Paroxetine, a phenylpiperidine derivative, is a potent and selective **serotonin** reuptake inhibitor (SSRI). Paroxetine is a very weak inhibitor of norepinephrine (NE) uptake but it is still more potent at this site than the other SSRIs.

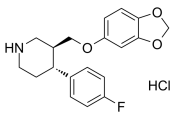


Purity: >98%
Clinical Data: Launched
Size: 1 mg, 5 mg

Paroxetine hydrochloride

(BRL29060 hydrochloride; BRL29060A) Cat. No.: HY-B0492

Paroxetine hydrochloride is a potent selective **serotonin-reuptake** inhibitor, commonly prescribed as an and has GRK2 inhibitory ability with IC_{50} of 14μM. Paroxetine hydrochloride can be used for the research of depressive disorder.

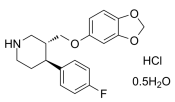


Purity: 99.92%
Clinical Data: Launched
Size: 10 mM × 1 mL, 100 mg, 500 mg

Paroxetine hydrochloride hemihydrate (BRL29060 hydrochloride hemihydrate; BRL29060A hemihydrate)

Cat. No.: HY-B0492A

Paroxetine hydrochloride hemihydrate is a potent selective **serotonin-reuptake** inhibitor, commonly prescribed as an antidepressant and has GRK2 inhibitory ability with IC_{50} of 14μM.

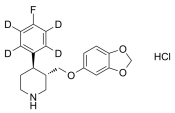


Purity: >98%
Clinical Data: Launched
Size: 1 mg, 5 mg

Paroxetine-d4 hydrochloride

(BRL29060-d4 hydrochloride; BRL29060A-d4) Cat. No.: HY-B0492S1

Paroxetine-d4 (hydrochloride) is deuterium labeled Paroxetine (hydrochloride). Paroxetine hydrochloride is a potent selective serotonin-reuptake inhibitor, commonly prescribed as an and has GRK2 inhibitory ability with IC50 of 14μM.

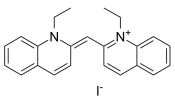


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Pseudoisocyanine iodide (1,1'-Diethyl-2,2'-cyanine iodide; Decynium 22; Diethylcyanine iodide; Eastman 7851)

Cat. No.: HY-107740

Pseudoisocyanine (iodide) is a pan inhibitor of monoamine transporters and organic cation transporters with antidepressant-like activity.

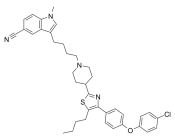


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

RAGE/SERT-IN-1

Cat. No.: HY-146619

RAGE/SERT-IN-1 is a potent and orally active **advanced glycation end products (RAGE)** and **serotonin transporter (SERT)** inhibitor with IC_{50}s of 8.26 μM and 31.09 nM, respectively.

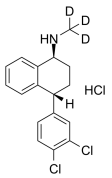


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

rel-Sertraline-d3 hydrochloride

Cat. No.: HY-B0176AS

rel-Sertraline-d3 hydrochloride is the deuterium labeled Sertraline hydrochloride. Sertraline hydrochloride is an antidepressant of the selective **serotonin reuptake** inhibitor (SSRI) class.

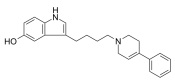


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 10 mg

Roxindole

(EMD 49980) Cat. No.: HY-106100

Roxindole (EMD 49980), an indot-alkyl-pipenidine, is a potent agonist at **dopamine autoreceptors**, with an affinity for the D2-like subtype in the low nanomolar range. Roxindole can be used for the research of positive and negative schizophrenic symptoms.

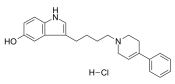


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Roxindole hydrochloride

(EMD 38362) Cat. No.: HY-106100A

Roxindole hydrochloride (EMD 38362), an indot-alkyl-pipenidine, is a potent agonist at **dopamine autoreceptors**, with an affinity for the D2-like subtype in the low nanomolar range. Roxindole can be used for the research of positive and negative schizophrenic symptoms.

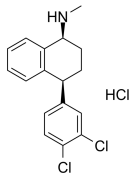


Purity: >98%
Clinical Data: No Development Reported
Size: 5 mg

Sertraline hydrochloride

Cat. No.: HY-B0176A

Sertraline hydrochloride is an antidepressant of the selective **serotonin reuptake** inhibitor (SSRI) class. Sertraline hydrochloride is researched for a number of diseases, such as major depressive disorder and obsessive.

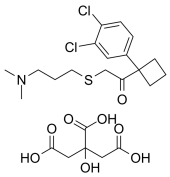


Purity: 99.90%
Clinical Data: Launched
Size: 10 mM × 1 mL, 5 mg, 10 mg, 50 mg

SPD-473 citrate

Cat. No.: HY-101612

SPD-473 citrate is a **serotonin/dopamine/norepinephrine** reuptake inhibitior.



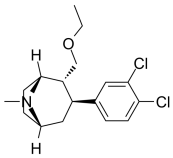
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Tesofensine

(NS-2330)

Cat. No.: HY-14472

Tesofensine (NS-2330) is a **triple monoamine reuptake** inhibitor inducing a potent inhibition of the re-uptake process in the synaptic cleft of the neurotransmitters dopamine (**DA**; IC_{50}=6.5 nM), norepinephrine (**NE**;IC_{50}=1.7 nM), and serotonin (**5-HT**;IC_{50}=11 nM), and with potentials as...



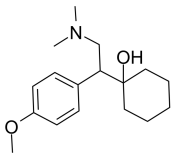
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Venlafaxine

(Wy 45030)

Cat. No.: HY-B0196

Venlafaxine (Wy 45030) is an orally active, potent **serotonin (5-HT)/norepinephrine (NE)** reuptake dual inhibitor. Venlafaxine is an antidepressant.



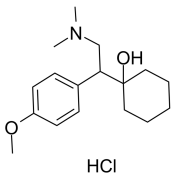
Purity: >98%
Clinical Data: Launched
Size: 5 mg, 10 mg, 25 mg

Venlafaxine hydrochloride

(Wy 45030 hydrochloride)

Cat. No.: HY-B0196A

Venlafaxine hydrochloride (Wy 45030 hydrochloride) is an orally active, potent **serotonin (5-HT)/norepinephrine (NE)** reuptake dual inhibitor. Venlafaxine is an antidepressant.

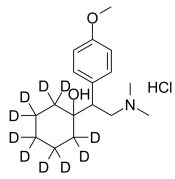


Purity: 99.86%
Clinical Data: Launched
Size: 10 mM × 1 mL, 10 mg, 50 mg

Venlafaxine-d10 hydrochloride

Cat. No.: HY-B0196AS

Venlafaxine-d10 (Wy 45030-d10) is the deuterium labeled Venlafaxine hydrochloride. Venlafaxine (Wy 45030) hydrochloride is an orally active, potent **serotonin (5-HT)/norepinephrine (NE)** reuptake dual inhibitor. Venlafaxine is an antidepressant.

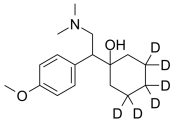


Purity: >98%
Clinical Data:
Size: 2.5 mg, 25 mg

Venlafaxine-d6

Cat. No.: HY-B0196S

Venlafaxine-d6 is the deuterium labeled Venlafaxine. Venlafaxine (Wy 45030) is an orally active, potent **serotonin (5-HT)/norepinephrine (NE)** reuptake dual inhibitor. Venlafaxine is an antidepressant.



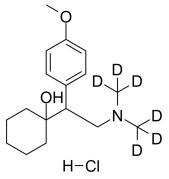
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Venlafaxine-d6 hydrochloride

(Wy 45030-d6 hydrochloride)

Cat. No.: HY-B0196AS1

Venlafaxine-d6 (Wy 45030-d6) hydrochloride is the deuterium labeled Venlafaxine hydrochloride. Venlafaxine hydrochloride (Wy 45030 hydrochloride) is an orally active, potent **serotonin (5-HT)/norepinephrine (NE)** reuptake dual inhibitor. Venlafaxine is an antidepressant.



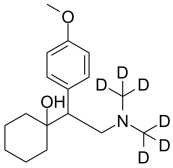
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg

Venlafaxine-d6-1

(Wy 45030-d6-1)

Cat. No.: HY-B0196S1

Venlafaxine-d6-1 is deuterium labeled Venlafaxine. Venlafaxine (Wy 45030) is an orally active, potent serotonin (5-HT)/norepinephrine (NE) reuptake dual inhibitor. Venlafaxine is an antidepressant.



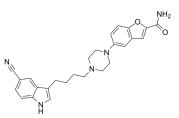
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Vilazodone

(EMD 68843; SB659746A)

Cat. No.: HY-14262

Vilazodone (EMD 68843; SB 659746A) is a potent, selective and orally active **serotonin reuptake inhibitor (SSRI)** and partial **5-HT_1A receptor** agonist.

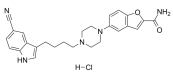


Purity: 99.91%
Clinical Data: Launched
Size: 10 mM × 1 mL, 10 mg, 50 mg

Vilazodone Hydrochloride

(EMD 68843 Hydrochloride; SB659746A Hydrochloride) Cat. No.: HY-14261

Vilazodone Hydrochloride (EMD 68843 Hydrochloride) is a **serotonin** transporter (SER) inhibitor and **5-HT$_{1A}$** receptor partial agonist.

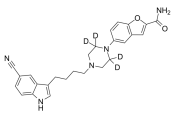


Purity: 99.95%
Clinical Data: Launched
Size: 10 mM × 1 mL, 10 mg, 50 mg

Vilazodone-d4

(EMD 68843-d4; SB659746A-d4) Cat. No.: HY-14262S

Vilazodone-d4 (EMD 68843-d4) is the deuterium labeled Vilazodone. Vilazodone (EMD 68843; SB 659746A) is a potent, selective and orally active **serotonin reuptake inhibitor (SSRI)** and partial **5-HT$_1$A receptor** agonist.

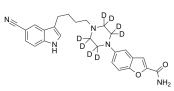


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Vilazodone-d8

Cat. No.: HY-14261S

Vilazodone D8 is the a deuterium labeled vilazodone, which is a combined serotonin specific reuptake inhibitor (SSRI) and 5-HT1A receptor partial agonist.

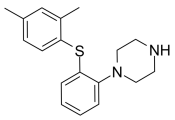


Purity: >98%
Clinical Data: No Development Reported
Size: 5 mg

Vortioxetine

(Lu AA 21004) Cat. No.: HY-15414

Vortioxetine is a inhibitor of **5-HT$_{1A}$**, **5-HT$_{1B}$**, **5-HT$_{3A}$**, **5-HT$_7$** receptor and **SERT**, with **K$_i$** values of 15 nM, 33 nM, 3.7 nM, 19 nM and 1.6 nM, respectively.

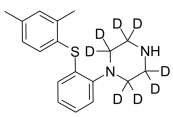


Purity: 99.52%
Clinical Data: Launched
Size: 10 mM × 1 mL, 10 mg, 50 mg, 100 mg, 200 mg, 500 mg, 1 g

Vortioxetine D8

(Lu AA 21004 D8) Cat. No.: HY-15414S

Vortioxetine D8 is a deuterium labeled Vortioxetine. Vortioxetine is an inhibitor of **5-HT$_{1A}$**, **5-HT$_{1B}$**, **5-HT$_{3A}$**, **5-HT$_7$** receptor and **SERT**, with **K$_i$** values of 15 nM, 33 nM, 3.7 nM, 19 nM and 1.6 nM, respectively.

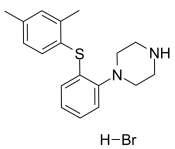


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Vortioxetine hydrobromide

(Lu AA21004 hydrobromide) Cat. No.: HY-15414A

Vortioxetine hydrobromide is a multimodal serotonergic agent, inhibits **5-HT$_{1A}$**, **5-HT$_{1B}$**, **5-HT$_{3A}$**, **5-HT$_7$** receptor and **SERT** with **K$_i$** values of 15 nM, 33 nM, 3.7 nM, 19 nM and 1.6 nM, respectively.

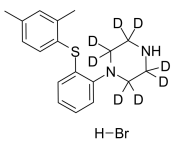


Purity: 99.94%
Clinical Data: Launched
Size: 10 mM × 1 mL, 10 mg, 50 mg, 100 mg, 200 mg, 500 mg, 1 g

Vortioxetine-d8 hydrobromide

(Lu AA21004-d8 hydrobromide) Cat. No.: HY-15414AS

Vortioxetine-d8 (Lu AA21004-d8) hydrobromide is the deuterium labeled Vortioxetine hydrobromide.

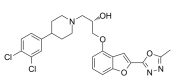


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Wf-516

Cat. No.: HY-19417A

Wf-516 is an inhibitor of **5-HT reuptake**, and an antagonist of **5-HT1A** and **5-HT2A** receptors, with **K$_i$** of 5 nM and 40 nM for 5-HT1A receptor and 5-HT2A receptor in humans, respectively, and has potent antidepressant activity.



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