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[COO/COA](#)

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documents

S6319 **Sigma-Aldrich.**

Sertraline hydrochloride

★★★★★ (0)

≥98% (HPLC)

Synonyme(s):

Sertraline HCl, (1S,4S)-4-(3,4-Dichlorophenyl)-1,2,3,4-tetrahydro-N-methyl-1-naphthalenamine hydrochloride

Empirical Formula (Hill Notation):

C₁₇H₁₇NCl₂ · HCl

Numéro CAS: **79559-97-0**

Poids moléculaire: 342.69

Numéro MDL: **MFCD00895772**

ID de substance PubChem: **24278601**

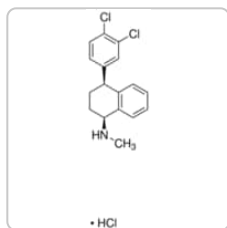
NACRES: NA.77

Référence	Conditionnement	Disponibilité	Prix	Quantité
S6319-10MG	10 MG	Only 5 left in stock (more on the way) Détails...	164,00 €	- +
S6319-50MG	50 MG	Only 1 left in stock (more on the way) Détails...	584,00 €	- +

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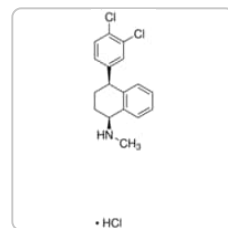
PRODUITS RECOMMANDÉS



Supelco

S-021**Sertraline hydrochloride solution**

1.0 mg/mL in methanol (as free base), ampule of 1 mL, certified reference material, Cerilliant®

[Consulter le prix et la disponibilité](#)


Supelco

PHR2535**Sertraline hydrochloride**

Pharmaceutical Secondary Standard; Certified Reference Material

[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Niveau de qualité	100
Essai/Dosage	≥98% (HPLC)
Forme	powder
Activité optique	$[\alpha]_D^{+33}$ to $+43^\circ$, $c = 2.0$ in methanol
Couleur	white
Solubilité	DMSO: >20 mg/mL
Auteur	Pfizer

SMILES string C1C=C(Cl)C=CC([C@H]2C3=C(C=CC=C3)[C@@H](NC)CC2)=C1.[H]Cl

InChI	1S/C17H17Cl2N.ClH/c1-20-17-9-7-12(13-4-2-3-5-14(13)17)11-6-8-15(18)16(19)10-11;/h2-6,8,10,12,17,20H,7,9H2,1H3;1H/t12-,17-;/m0./s1
InChI key	BLFQGGGGFNSJKA-XHXSrvRCSA-N
Gene Information	human ... HTR1A(3350) , HTR1B(3351) , HTR1D(3352) , HTR1E(3354) , HTR1F(3355) , HTR2A(3356) , HTR2B(3357) , HTR2C(3358) , HTR3A(3359) , HTR3B(9177) , HTR3C(170572) , HTR3D(200909) , HTR3E(285242) , HTR4(3360) , HTR5A(3361) , HTR5B(645694) , HTR6(3362) , HTR7(3363) , SLC6A4(6532)

Vous recherchez des produits similaires ? Visitez [Guide de comparaison des produits](#)

Catégories apparentées

[Pfizer® Compounds](#)

DESCRIPTION

Application

The effect of exposure of sertraline hydrochloride was studied in chronically prepared ovine fetus. It was used in glucocorticoid function assay to study the effect of antidepressants on glucocorticoid receptor function in humans.

Conditionnement

10, 50 mg in glass bottle

Actions biochimiques/physiologiques

Sertraline suppresses platelet function and exhibits antiplatelet and endothelium protective functions. It relieves depression and improves the quality of life in patients with cardiovascular disorders. It can also be prescribed to treat depression in Parkinson's

disease.

Selective serotonin reuptake inhibitor, antidepressant.

Caractéristiques et avantages

This compound is a featured product for ADME Tox research. [Click here](#) to discover more featured ADME Tox products. Learn more about bioactive small molecules for other areas of research at sigma.com/discover-bsm.

This compound is featured on the [Biogenic Amine Transporters](#) page of the Handbook of Receptor Classification and Signal Transduction. To browse other handbook pages, [click here](#).

This compound was developed by [Pfizer](#). To browse the list of other pharma-developed compounds and Approved Drugs/Drug Candidates, [click here](#).

PRODUITS APPARENTÉS

Application

G004705

HPLC Analysis of Sertraline Enantiomers on Astec® CYCLOBOND™ I 2000 RSP, application for HPLC

[View Pricing](#)

INFORMATIONS SUR LA SÉCURITÉ

Pictograms

Mention d'avertissement
Warning

Mentions de danger
H302 - H373 - H410

Conseils de prudence

**GHS07,GHS08,GHS09****P260 - P264 - P270 - P273 -
P301 + P312 - P314****Classification des risques**

Acute Tox. 4 Oral - Aquatic
Acute 1 - Aquatic Chronic 1 -
STOT RE 2

**Code de la classe de
stockage**

11 - Combustible Solids

WGK

WGK 3

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

**Équipement de protection
individuelle**

Eyeshields, Gloves, type N95
(US)

DOCUMENTATION

Certificat d'analyse

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COA)

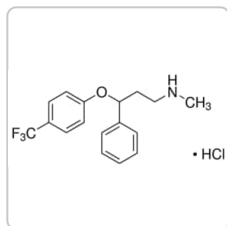
Rechercher

Certificat d'origine

Saisir un numéro de lot pour rechercher un certificat d'origine (COO).

Numéro de lot

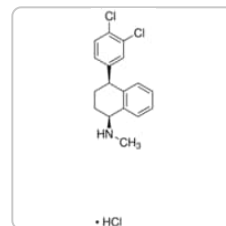
e.g. 023J5431

Comment saisir un numéro de lot (COO)**Rechercher****Plus De Documents**[Structure Search](#)[FDS](#)**LES CLIENTS ONT ÉGALEMENT CONSULTÉ**

Sigma-Aldrich

F132**Fluoxetine hydrochloride**

solid

[Consulter le prix et la disponibilité](#)

USP

1612517**Sertraline hydrochloride racemic mixture**

United States Pharmacopeia (USP) Reference Standard

[Consulter le prix et la disponibilité](#)**ARTICLES REVUS PAR DES PAIRS**[The influence of sertraline on attention and verbal memory in children and adolescents with anxiety disorders.](#)

Thomas Günther et al.

Journal of child and adolescent psychopharmacology, 15(4), 608-618 (2005-09-30)

This study investigated the cognitive side effects of a 6-week course of sertraline treatment on verbal memory and attention in children and adolescents. Children with various anxiety disorders (social phobia, generalized and separation anxiety disorder; n = 28), between 8

Sertraline treatment of major depression in patients with acute MI or unstable angina.

Alexander H Glassman et al.

JAMA, 288(6), 701-709 (2002-08-10)

Major depressive disorder (MDD) occurs in 15% to 23% of patients with acute coronary syndromes and constitutes an independent risk factor for morbidity and mortality. However, no published evidence exists that antidepressant drugs are safe or efficacious in patients with

Antidepressants, but not antipsychotics, modulate GR function in human whole blood: an insight into molecular mechanisms.

L A Carvalho et al.

European neuropsychopharmacology : the journal of the European College of Neuropsychopharmacology, 20(6), 379-387 (2010-03-17)

Clinical studies have demonstrated an impairment of glucocorticoid receptor (GR)-mediated negative feedback on the hypothalamic-pituitary-adrenal (HPA) axis in patients with major depression (GR resistance), and its resolution by antidepressant treatment. Recently, we showed that this impairment is indeed due to

Pulmonary vascular effects of serotonin and selective serotonin reuptake inhibitors in the late-gestation ovine fetus.

Cassidy Delaney et al.

American journal of physiology. Lung cellular and molecular physiology, 301(6), L937-L944 (2011-09-13)

Maternal use of selective serotonin (5-HT) reuptake inhibitors (SSRIs) is associated with an increased risk for persistent pulmonary hypertension of the newborn (PPHN), but little is known about 5-HT signaling in the developing lung. We hypothesize that 5-HT plays a

Pharmacotherapy with sertraline rescues brain development and behavior in a mouse model of CDKL5 deficiency disorder.

Claudia Fuchs et al.

Neuropharmacology, 167, 107746-107746 (2019-08-31)

Mutations in the X-linked cyclin-dependent kinase-like 5 (CDKL5) gene cause a severe neurodevelopmental disorder, CDKL5 deficiency disorder (CDD). CDKL5 is fundamental for correct brain development and function, but the molecular mechanisms underlying aberrant neurologic dysfunction in CDD are incompletely understood.

[Afficher tous les articles scientifiques apparentés](#)

PROTOCOLES ET ARTICLES SCIENTIFIQUES

Contenu apparenté

[Discover Bioactive Small Molecules for ADME/Tox](#)

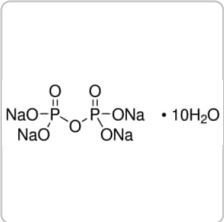
Discover Bioactive Small Molecules for ADME/Tox

Chromatograms

[HPLC Analysis of Sertraline Enantiomers on Astec® CYCLOBOND™ I 2000 RSP](#)

application for HPLC

PRODUITS CONSULTÉS RÉCEMMENT

[Na+].[O-]P(=O)([O-])OP(=O)([O-])[O-].[Na+].[Na+].[Na+].[Na+].[Na+].[Na+].[Na+].[Na+].[Na+].[Na+]

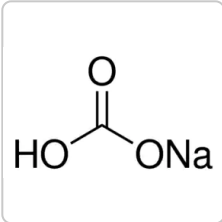
Sigma-Aldrich

S6422

Sodium pyrophosphate tetrabasic decahydrate

BioXtra, 99.0-103.0%

[Consulter le prix et la disponibilité](#)

[Na+].[O-]C(=O)O

Sigma-Aldrich

S6297

Sodium bicarbonate

BioXtra, 99.5-100.5%

[Consulter le prix et la disponibilité](#)

Évaluations



Soyez le premier à donner votre avis sur ce produit

Questions

Soyez le premier à poser une question

SERVICE TECHNIQUE

Notre équipe de scientifiques dispose d'une expérience dans tous les secteurs de la recherche, notamment en sciences de la vie, science des matériaux, synthèse chimique, chromatographie, analyse et dans de nombreux autres domaines..

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