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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Galanthamine HBr

Acetylcholinesterase inhibitor
Catalog No. SIH-530



Discovery through partnership | Excellence through quality

Overview

Product Name

Galanthamine HBr

Description

Acetylcholinesterase inhibitor

Purity

>97% (HPLC); NMR (Conforms)

CAS No.

04-04-53

Molecular Formula

C₁₁H₁₁BrNO₁

Molecular Weight

368.3

Properties

Storage Temperature

-20°C

Shipping Temperature

Blue Ice or 4°C

Product Type

Inhibitor

Solubility

Soluble in water (12 mg/ml) or in DMSO (10 mg/ml)

Source

Synthetic

Appearance

White powder

SMILES

[Br-].COc1ccc2CN(C)CC[C@@]34C=C[C@H](O)C[C@H]3Oc1c24.[H+]

InChI

1S/C17H21NO3.BrH/c1-18-8-7-17-6-5-12(19)9-14(17)21-16-13(20-2)4-3-11(10-18)15(16)17;/h3-6,12,14,19H,7-10H2,1-2H3;1H/t12-,14-,17-

;/m0./s1

InChIKey

QORVDGQLPPAFRS-XPSHAMGMSA-N

Safety Phrases

Classification:

D1B Toxic Material Causing Immediate and Serious Toxic Effects - Toxic by ingestion

Hazard statement(s):

H301 Toxic if swallowed.

Precautionary statement(s):

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

Cite This Product

Galanthamine HBr (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-530)

Biological Description

Alternative Names

Galantamine hydrobromide, Galantamine HBr, Galanthamine hydrobromide, Galanthamine, Galanthamine hydrogen bromide, SPECTRUM1501202, 1,2,3,4,6,7,7a,11c-Octahydro-9-methoxy-2-methyl-benzofuro(4,3,2-efg)(2)benzazocin-6-ol HBr, LS-185021, Galanthamine, Nivalin, Reminyl, Jilkon hydrobromide, Lycoremine hydrobromide

Research Areas

Cancer, Alzheimers Disease, Apoptosis, Neurodegeneration, Neuroscience

PubChem ID

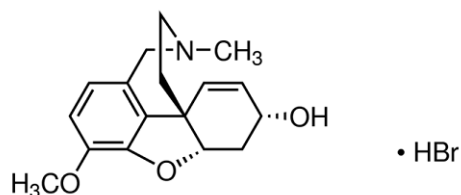
121587

Scientific Background

Galantamine hydrobromide is a long-acting, active acetylcholinesterase inhibitor (IC₅₀ = 410 nM) and allosteric potentiator at neuronal nicotinic ACh receptors. It prevents β -amyloid-induced apoptosis in SH-SY5Y. Long-term administration in a mouse model of Alzheimer's disease reduces amyloid precursor protein deposition and neurodegeneration in these mice.

Product Images

Chemical structure of Galanthamine HBr (SIH-530), a Acetylcholinesterase inhibitor. CAS #: 1953-04-4. Molecular Formula: C₁₇H₂₂BrNO₃. Molecular Weight: 368.3 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.