

Product datasheet

Galanthamine, cholinesterase inhibitor ab269700

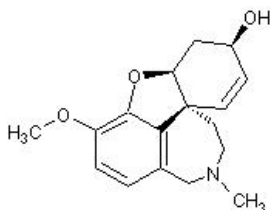
1 Image

Overview

Product name	Galanthamine, cholinesterase inhibitor
Description	Potent selective acetylcholinesterase inhibitor.
Biological description	Potent selective acetylcholinesterase inhibitor (IC ₅₀ = 410 nM). Greater than 50-fold selective versus butyrylcholinesterase. Inhibits RBC cholinesterase activity 10-fold more potently than that of human brain tissue. Reduces apoptotic effect of thapsigargin in SH-SY5Y cells. Non-competitive nicotinic receptor antagonist in rat PC12 cells. Neuroprotective following ischemia-reperfusion injury in animal models.

CAS Number 357-70-0

Chemical structure



Properties

Chemical name	(4a <i>S</i> ,6 <i>R</i> ,8a <i>S</i>)-4a,5,9,10,11,12-Hexahydro-3-methoxy-11-methyl-6 <i>H</i> -benzofuro[3a,3,2-ef][2]benzazepin-6-ol
Molecular weight	287.35
Molecular formula	C ₁₇ H ₂₁ NO ₃
PubChem identifier	9651
Storage instructions	Shipped at room temperature. Store at -20°C.
Solubility overview	Soluble in DMSO to 50 mM and in ethanol to 100 mM with gentle warming
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Toxic, refer to SDS for further information. Need more advice on solubility, usage and handling? Please visit our frequently asked questions

(FAQ) page for more details.

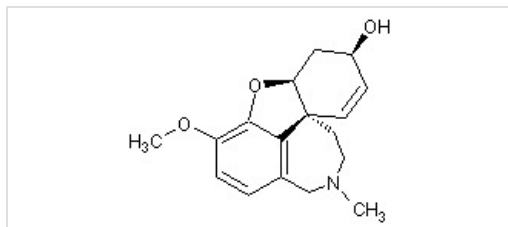
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CN1CC[C@@]23C=C[C@@H](C[C@@H]2OC4=C(C=CC(=C34)C1)OC)O

Source

Synthetic

Images



Chemical structure of Galanthamine, cholinesterase inhibitor, 357-70-0

Chemical Structure - Galanthamine, cholinesterase inhibitor (ab269700)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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