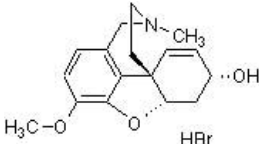


Product datasheet

Galanthamine hydrobromide, Alkaloid acetylcholinesterase inhibitor ab141114

[1 References](#) [1 Image](#)

Overview

Product name	Galanthamine hydrobromide, Alkaloid acetylcholinesterase inhibitor
Description	Alkaloid acetylcholinesterase inhibitor
Biological description	Alkaloid acetylcholinesterase inhibitor (IC ₅₀ values are 0.85 and 12.1 µM for AChE and butyrylcholinesterase, respectively). Blood-brain barrier permeable. Active <i>in vivo</i> following oral administration. Prevents beta-amyloid induced apoptosis. Reduces neurodegeneration <i>in vivo</i> .
Purity	> 99%
CAS Number	1953-04-4
Chemical structure	

Properties

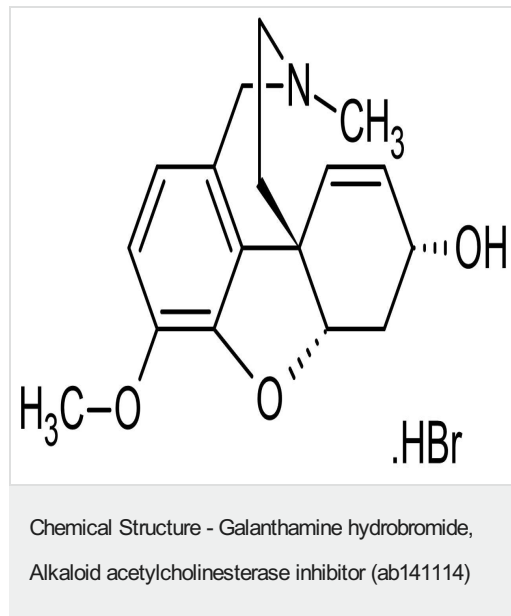
Chemical name	(4aS,6R,8aS)-4a,5,9,10,11,12-Hexahydro-3-methoxy-11-methyl-6H-benzofuro[3a,3,2-ef][2]benzazepin-6-ol hydrobromide
Molecular weight	368.27
Molecular formula	C ₁₇ H ₂₁ NO ₃ .HBr
PubChem identifier	121587
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 50 mM and in DMSO to 100 mM
Handling	<p>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.</p> <p>Toxic, refer to SDS for further information.</p>

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

SMILES

Br.O[C@H]1C=C[C@@]42CCN(C)Cc3ccc(OC)c(O[C@H]2C1)c34

Images



2D chemical structure image of ab141114, Galanthamine hydrobromide, Alkaloid acetylcholinesterase inhibitor

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

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