

# Galanthamine (hydrobromide)

Catalog No: tcsc0378



## Available Sizes

**Size:** 100mg

**Size:** 500mg



## Specifications

**CAS No:**

1953-04-4

**Formula:**

$C_{17}H_{22}BrNO_3$

**Pathway:**

Neuronal Signaling

**Target:**

AChE

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 3.7$  mg/mL (10.05 mM); H<sub>2</sub>O : 25 mg/mL (67.88 mM; Need ultrasonic)

**Alternative Names:**

Galantamine hydrobromide

**Observed Molecular Weight:**

368.27

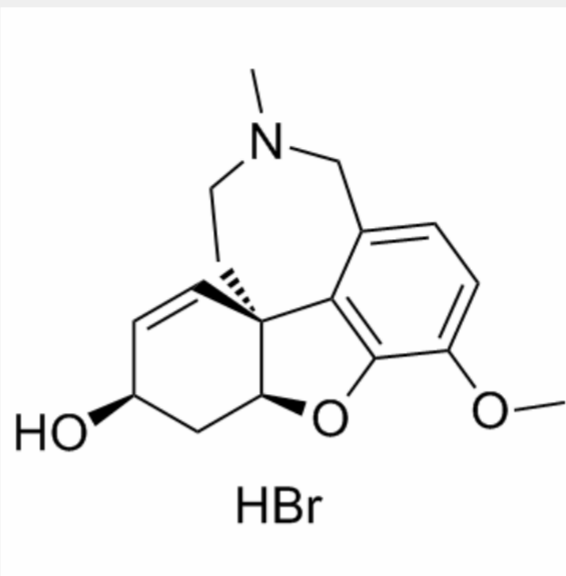
## Product Description

Galanthamine hydrobromide is a long-acting, centrally active acetylcholinesterase(AChE) inhibitor (IC<sub>50</sub> = 410 nM) and allosteric potentiator at neuronal nicotinic ACh receptors.

IC50 Value: 410 nM

Target: AChE

Galanthamine hydrobromide prevents  $\beta$ -amyloid-induced apoptosis in SH-SY5Y and bovine chromaffin cells. Long-term administration reduces amyloid precursor protein deposition and neurodegeneration in a mouse model of Alzheimer's disease.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!