

Galanthaminone

Catalog No: tcsc2734



Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg



Specifications

CAS No:

510-77-0

Formula:

$C_{17}H_{19}NO_3$

Pathway:

Neuronal Signaling

Target:

AChE

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

(-)-Narwedine; Narwedin

Observed Molecular Weight:

285.34

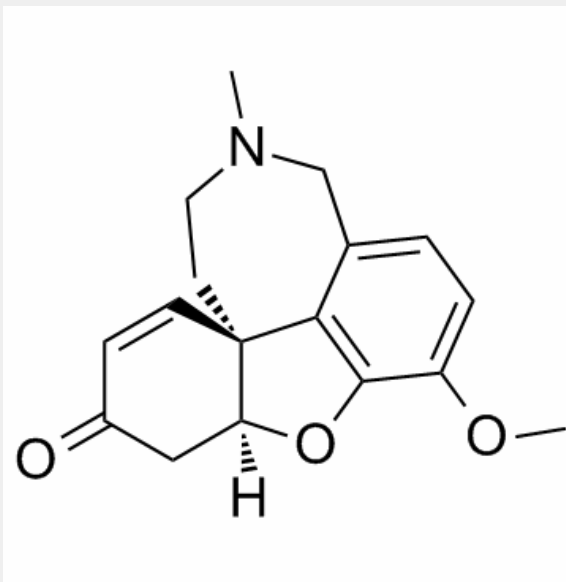
Product Description

Galanthaminone (Narwedine) is a competitive and reversible cholinesterase (AChE) inhibitor; is used for the treatment of mild to moderate Alzheimer's disease and various other memory impairments.

IC50 & Target: AChE

In Vitro: Galanthaminone reduces the action of AChE and therefore tends to increase the concentration of acetylcholine in the brain. is also an allosteric ligand at nicotinic acetylcholine receptors. It has shown activity in modulating the nicotinic cholinergic receptors on cholinergic neurons to increase acetylcholine release.

In Vivo: Absorption of Galanthaminone is rapid and complete and shows linear pharmacokinetics. It is well absorbed with absolute oral bioavailability between 80 and 100%. It has a half-life of seven hours. Peak effect of inhibiting acetylcholinesterase was achieved about one hour after a single oral dose of 8 mg in some healthy volunteers.



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