
Product Data Sheet

Product Name: Galanthamine HBr

Cat. No.: GC14624

Chemical Properties

Cas. No. 1953-04-4

Chemical Name (4aS,6R,8aS)-3-methoxy-11-methyl-5,6,9,10,11,12-hexahydro-4aH-benzo[2,3]benzofuro[4,3-cd]azepin-6-ol hydrobromide

SMILES COC1=CC=C2C3=C1O[C@]4([H])[C@]3(C=C[C@H](O)C4)CCN(C)C2.BrFormula $C_{17}H_{21}NO_3 \cdot HBr$ M.Wt 368.27Solubility ≥ 4.6 mg/mL in DMSO, ≥ 36.9 mg/mL in Water with ultrasonic and warming Storage Store at $-20^{\circ}C$ General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure **Background**

Long-acting, centrally active acetylcholinesterase inhibitor ($IC_{50} = 410$ nM) and allosteric potentiator at neuronal nicotinic ACh receptors. Prevents β -amyloid-induced apoptosis in SH-SY5Y and bovine chromaffin cells. Long-term administration reduces amyloid

Caution: Product has not been fully validated for medical applications. For research use only.

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