
Product Data Sheet

Product Name: Lycoramine hydrobromide

Cat. No.: GC61017

Chemical Properties

Cas. No. 89505-76-0

SMILES O[C@H]1CC[C@@]23CCN(C)CC4=CC=C(OC)C(O[C@@]3([H])C1)=C24.[H]BrFormula $C_{17}H_{24}BrNO_3$ M.Wt 370.28

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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**

Lycoramine hydrobromide, a dihydro-derivative of galanthamine, is isolated from Lycoris radiata. Lycoramine hydrobromide is a potent acetylcholinesterase (AChE) inhibitor [1] [2].

[1]. Yuan Y, et, al. Online acetylcholinesterase inhibition evaluation by high-performance liquid chromatography-mass spectrometry hyphenated with an immobilized enzyme reactor. J Chromatogr A. 2020 Jan 4; 1609:460506. [2]. IRWIN RL, et, al. Cholinesterase inhibition by galanthamine and lycoramine. Biochem Pharmacol. 1960 May; 3:147-8.

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

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