

Product Data Sheet

Product Name: N-Desmethyl Galanthamine

Cat. No.: GC61116

Chemical Properties

Cas. No. 41303-74-6

SMILES O[C@H]1C=C[C@@]23CCNCC4=CC=C(OC)C(O[C@@]3([H])C1)=C24

Formula $C_{16}H_{19}NO_3$

M.Wt 273.33

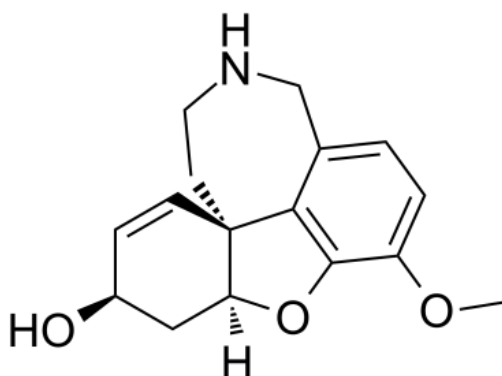
Solubility

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

N-Desmethyl Galanthamine is a metabolite of Galanthamine. Galanthamine is a potent acetylcholinesterase (AChE) inhibitor with an IC₅₀ of 500 nM [1][2].

[1]. Bachus R, et al. The O-demethylation of the antimentia drug galanthamine is catalysed by cytochrome P450 2D6. Pharmacogenetics. 1999;9(6):661-668. [2]. Melanie-Jayne R. Howes, et al. Acetylcholinesterase inhibitors of natural origin. International Journal of Research in Pharmaceutical

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

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