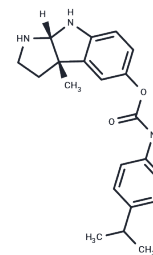


Bisnorcymserine

Chemical Properties

CAS No. :	219920-81-7
Formula:	C ₂₁ H ₂₅ N ₃ O ₂
Molecular Weight:	351.44
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Bisnorcymserine is a reversible inhibitor of butyrylcholinesterase. The leaving group, bisnoreseroline, interacts in a non-covalent way with Ser(200) and His(440), disrupting the existing interactions within the catalytic triad, and it stacks with Trp(84) at the bottom of the gorge, giving rise to an unprecedented hydrogen-bonding contact.
Targets(IC50)	Others,Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8454 mL	14.2272 mL	28.4544 mL
5 mM	0.5691 mL	2.8454 mL	5.6909 mL
10 mM	0.2845 mL	1.4227 mL	2.8454 mL
50 mM	0.0569 mL	0.2845 mL	0.5691 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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Macdonald IR, Rockwood K, Martin E, Darvesh S. Cholinesterase inhibition in Alzheimer's disease: is specificity the answer? *J Alzheimers Dis.* 2014;42(2):379-84. doi: 10.3233/JAD-140219. Review. PubMed PMID: 24898642.

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