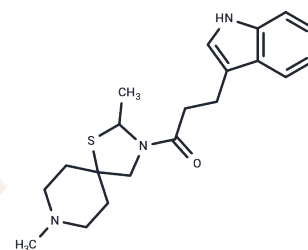


AF-710B

Chemical Properties

CAS No. : 1235733-73-9
 Formula: C₂₀H₂₇N₃O₅
 Molecular Weight: 357.51
 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	AF-710B is a specific variant of M1 muscarinic and Sigma-1 receptor agonist used in the study of neurological disorders such as Alzheimer's disease dementia and schizophrenia.
Targets(IC50)	AChR,Sigma receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7971 mL	13.9856 mL	27.9712 mL
5 mM	0.5594 mL	2.7971 mL	5.5942 mL
10 mM	0.2797 mL	1.3986 mL	2.7971 mL
50 mM	0.0559 mL	0.2797 mL	0.5594 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

- Hall H, et al. AF710B, an M1/sigma-1 receptor agonist with long-lasting disease-modifying properties in a transgenic rat model of Alzheimer's disease. *Alzheimers Dement.* 2018 Jun;14(6):811-823.
 Fisher A, et al. AF710B, a Novel M1/σ1 Agonist with Therapeutic Efficacy in Animal Models of Alzheimer's Disease. *Neurodegener Dis.* 2016;16(1-2):95-110.

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