

DBO-83

Chemical Properties

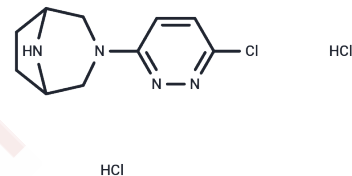
CAS No. : 195211-53-1

Formula: C₁₀H₁₅Cl₃N₄

Molecular Weight: 297.61

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	DBO-83, an agonist of nicotinic acetylcholine receptors (nAChRs), has anti-amnesic and antinociceptive activities.
Targets(IC50)	Others,AChR

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3601 mL	16.8005 mL	33.601 mL
5 mM	0.672 mL	3.3601 mL	6.7202 mL
10 mM	0.336 mL	1.6801 mL	3.3601 mL
50 mM	0.0672 mL	0.336 mL	0.672 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

Decker MW, Meyer MD, Sullivan JP. The therapeutic potential of nicotinic acetylcholine receptor agonists for pain control. Expert Opin Investig Drugs. 2001 Oct;10(10):1819-30. Review. PubMed PMID: 11772288.

Lloyd, G.K. et al., Neuronal nicotinic acetylcholine receptors as novel drug targets. J. Pharmacol. Exp. Ther. 292, 461, (2000) Ghelardini, C., Antinociceptive profile of the new nicotinic agonist DBO-83. Drug Dev. Res. 40, 251, (1997)

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