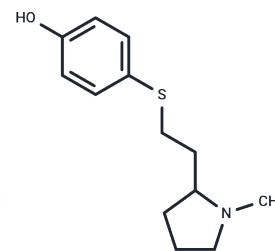


SIB 1553A

Chemical Properties

CAS No. :	191611-76-4
Formula:	C13H19NOS
Molecular Weight:	237.36
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	SIB 1553A is an orally available and selective agonist of nicotinic acetylcholine receptors (nAChRs), which are subtype-selective ligands for nicotinic acetylcholine receptors. SIB-1553A is a cognitive enhancer that may be used in the study of neurodegenerative-related diseases such as Alzheimer's disease.
Targets(IC50)	AChR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.213 mL	21.065 mL	42.1301 mL
5 mM	0.8426 mL	4.213 mL	8.426 mL
10 mM	0.4213 mL	2.1065 mL	4.213 mL
50 mM	0.0843 mL	0.4213 mL	0.8426 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

Bontempi B, et al. SIB-1553A, (+/-)-4-[[2-(1-methyl-2-pyrrolidinyl)ethyl]thio]phenol hydrochloride, a subtype-selective ligand for nicotinic acetylcholine receptors with putative cognitive-enhancing properties: effects on working and reference memory performances in aged rodents and nonhuman primates. *J Pharmacol Exp Ther.* 2001 Oct;299(1):297-306.

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