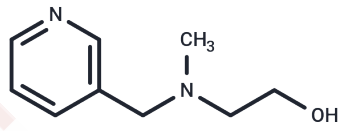
Data Sheet (Cat.No.T32276)

TargetMol

JAY2-22-33

Chemical Properties



CAS No. : 121489-14-3

Formula: C9H14N2O

Molecular Weight: 166.22

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	JAY2-22-33, as a neuroprotective agent, can act by significantly reducing Aβ toxicity by delaying paralysis and improving cognitive performances in a transgenic mouse model of AD.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.0161 mL	30.0806 mL	60.1612 mL
5 mM	1.2032 mL	6.0161 mL	12.0322 mL
10 mM	0.6016 mL	3.0081 mL	6.0161 mL
50 mM	0.1203 mL	0.6016 mL	1.2032 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

Keowkase R, Aboukhatwa M, Adam BL, Beach JW, Terry AV Jr, Buccafussco JJ, Luo Y. Neuroprotective effects and mechanism of cognitive-enhancing choline analogs JWB 1-84-1 and JAY 2-22-33 in neuronal culture and Caenorhabditis elegans. Mol Neurodegener. 2010 Dec 16;5:59. doi: 10.1186/1750-1326-5-59. PubMed PMID: 21162742; PubMed Central PMCID: PMC3017027.

Buccafusco JJ, Beach JW, Terry AV Jr. Desensitization of nicotinic acetylcholine receptors as a strategy for drug development. J Pharmacol Exp Ther. 2009 Feb;328(2):364-70. doi: 10.1124/jpet.108.145292. Epub 2008 Nov 20. Review. PubMed PMID: 19023041; PubMed Central PMCID: PMC2682277.

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