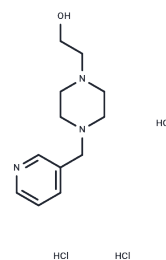


JWB1-84-1 3HCl

Chemical Properties

CAS No. : 491878-69-4
 Formula: C₁₂H₂₂Cl₃N₃O
 Molecular Weight: 330.68
 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	JWB1-84-1 3HCl, as a neuroprotective agent, can act by improving cognitive performances in a transgenic mouse model of AD.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0241 mL	15.1204 mL	30.2407 mL
5 mM	0.6048 mL	3.0241 mL	6.0481 mL
10 mM	0.3024 mL	1.512 mL	3.0241 mL
50 mM	0.0605 mL	0.3024 mL	0.6048 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, Buccafusco 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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Buccafusco JJ. Neuronal nicotinic receptor subtypes: defining therapeutic targets. *Mol Interv*. 2004 Oct;4(5):285-95. Review. PubMed PMID: 15471911.

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