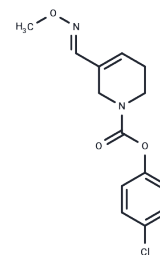


Itimeline

Chemical Properties

CAS No. :	145071-44-9
Formula:	C ₁₄ H ₁₅ ClN ₂ O ₃
Molecular Weight:	294.73
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	RU 47213 can be used to inhibit scopolamine-induced working memory impairment in rats.
Targets(IC50)	Others,Cholinesterase (ChE)
In vivo	RU 47213 (0.2, 0.5, 1, and 2 mg/kg; rats)possesses the capacity to reduce memory deficits induced by an impairment of cholinergic transmission in the rat.[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3929 mL	16.9647 mL	33.9294 mL
5 mM	0.6786 mL	3.3929 mL	6.7859 mL
10 mM	0.3393 mL	1.6965 mL	3.3929 mL
50 mM	0.0679 mL	0.3393 mL	0.6786 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

M'Harzi M, et al. Ameliorating effects of RU 47213, a novel oral and long-lasting cholinomimetic agent, on working memory impairments in rats. *Pharmacol Biochem Behav.* 1997 Apr;56(4):663-8.

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