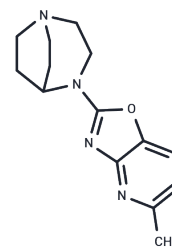


CP-810123

Chemical Properties

CAS No. : 439608-12-5
 Formula: C₁₄H₁₈N₄O
 Molecular Weight: 258.32
 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	CP-810123 is a new alpha 7 nAChR agonist for the treatment of cognitive impairment associated with psychiatric or neurological disorders such as schizophrenia and Alzheimer's disease.
Targets(IC50)	AChR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8712 mL	19.3558 mL	38.7117 mL
5 mM	0.7742 mL	3.8712 mL	7.7423 mL
10 mM	0.3871 mL	1.9356 mL	3.8712 mL
50 mM	0.0774 mL	0.3871 mL	0.7742 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

O'Donnell CJ, et al. Discovery of 4-(5-methyloxazolo[4,5-b]pyridin-2-yl)-1,4-diazabicyclo[3.2.2]nonane (CP-810,123), a novel alpha 7 nicotinic acetylcholine receptor agonist for the treatment of cognitive disorders in schizophrenia: synthesis, SAR development, and in vivo efficacy in cognition models. J Med Chem. 2010 Feb 11;53(3):1222-37.

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