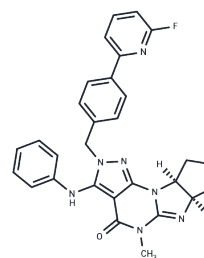


ITI-214 free base

Chemical Properties

CAS No. :	1160521-50-5
Formula:	C ₂₉ H ₂₆ N ₇ O
Molecular Weight:	507.56
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	ITI-214 free base, a picomolar PDE1 inhibitor (K _i = 58 pM), exhibits excellent selectivity against other PDE family members and a range of enzymes, receptors, transporters, and ion channels.
Targets(IC50)	Others,PDE

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9702 mL	9.8511 mL	19.7021 mL
5 mM	0.394 mL	1.9702 mL	3.9404 mL
10 mM	0.197 mL	0.9851 mL	1.9702 mL
50 mM	0.0394 mL	0.197 mL	0.394 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

- Li P, et al. Discovery of Potent and Selective Inhibitors of Phosphodiesterase 1 for the Treatment of Cognitive Impairment Associated with Neurodegenerative and Neuropsychiatric Diseases. *J Med Chem.* 2016 Feb 11;59(3): 1149-64.
- Lawrence Wennogle. Novel uses. From PCT Int. Appl. (2014), WO 2014145617 A2 20140918.
- Peng Li , et al. Salt crystals. From PCT Int. Appl. (2013), WO 2013192556 A2 20131227.
- Allen A. Fienberg, et al. Organic compounds. From PCT Int. Appl. (2010), WO 2010132127 A1 20101118.

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