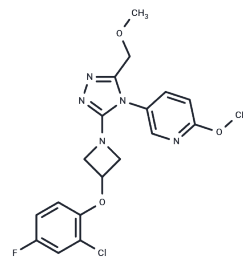


PF3274167

Chemical Properties

CAS No. : 900510-03-4
 Formula: C₁₉H₁₉ClFN₅O₃
 Molecular Weight: 419.84
 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	PF3274167 (Cligosiban) is a potent and selective, high-affinity nonpeptide oxytocin receptor antagonist.
Targets(IC50)	OX Receptor,Oxytocin Receptor

Solubility Information

Solubility	DMSO: 55 mg/mL (131 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2.5 mg/mL (5.95 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3819 mL	11.9093 mL	23.8186 mL
5 mM	0.4764 mL	2.3819 mL	4.7637 mL
10 mM	0.2382 mL	1.1909 mL	2.3819 mL
50 mM	0.0476 mL	0.2382 mL	0.4764 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

Karpenko IA, et al. J Med Chem. 2015 Mar 12;58(5):2547-52.

Brown A, et al. Bioorg Med Chem Lett. 2010 Jan 15;20(2):516-20.

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