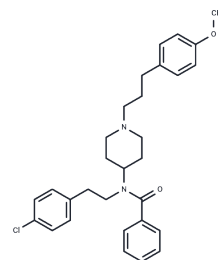


CP-289

Chemical Properties

CAS No. :	1349637-14-4
Formula:	C ₃₀ H ₃₅ ClN ₂ O ₂
Molecular Weight:	491.06
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-289 is a potent C5a receptor antagonist with IC ₅₀ of 1 μM.
Targets(IC ₅₀)	Complement System

Solubility Information

Solubility	DMSO: 55 mg/mL (112 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 (5.09 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	2.0364 mL	10.1821 mL	20.3641 mL
5 mM	0.4073 mL	2.0364 mL	4.0728 mL
10 mM	0.2036 mL	1.0182 mL	2.0364 mL
50 mM	0.0407 mL	0.2036 mL	0.4073 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

Blagg J, et al. Small, non-peptide C5a receptor antagonists: part 1. Bioorg Med Chem Lett. 2008 Oct 15;18(20): 5601-4.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481