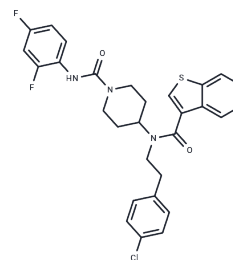


CP-447697

Chemical Properties

CAS No. : 1092847-21-6
 Formula: C₂₉H₂₆ClF₂N₃O₂S
 Molecular Weight: 554.05
 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-447697, a lipophilic C5a receptor antagonist, exhibits an IC ₅₀ of 31 nM. It is utilized in inflammation research.
Targets(IC ₅₀)	Complement System

Solubility Information

Solubility	DMSO: 112.5 mg/mL (203.05 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8049 mL	9.0245 mL	18.0489 mL
5 mM	0.361 mL	1.8049 mL	3.6098 mL
10 mM	0.1805 mL	0.9024 mL	1.8049 mL
50 mM	0.0361 mL	0.1805 mL	0.361 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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