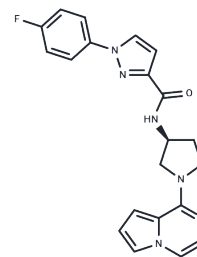


CXCR7 antagonist-1

Chemical Properties

CAS No. :	1613021-99-0
Formula:	C ₂₁ H ₁₉ FN ₆ O
Molecular Weight:	390.41
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	CXCR7 antagonist-1 is a specific antagonist of the binding of the SDF-1 chemokine or I-TAC to the chemokine receptor CXCR7. CXCR7 antagonist-1 prevents tumor cell proliferation and tumor formation and can be used in studies about inflammatory diseases.
Targets(IC50)	Adrenergic Receptor, CXCR

Solubility Information

Solubility	DMSO: 90 mg/mL (230.53 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: 3.3 mg/mL (8.45 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	2.5614 mL	12.807 mL	25.6141 mL
5 mM	0.5123 mL	2.5614 mL	5.1228 mL
10 mM	0.2561 mL	1.2807 mL	2.5614 mL
50 mM	0.0512 mL	0.2561 mL	0.5123 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

Junfa Fan, et al. Cxcr7 antagonists. Patent WO2014085490A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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