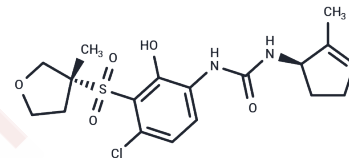


(R,R)-CXCR2-IN-2

Chemical Properties

CAS No. :	1838123-22-0
Formula:	C ₁₈ H ₂₃ ClN ₂ O ₅ S
Molecular Weight:	414.9
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	(R,R)-CXCR2-IN-2, a diastereoisomer of CXCR2-IN-2 (compound 68), is a brain-penetrant CXCR2 antagonist with a pIC ₅₀ of 9 in the Tango assay and 6.8 in the HWB Gro-α induced CD11b expression assay[1].
Targets(IC ₅₀)	Others,CXCR

Solubility Information

Solubility	DMSO: 220 mg/mL (530.25 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 5 mg/mL (12.05 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	2.4102 mL	12.0511 mL	24.1022 mL
5 mM	0.482 mL	2.4102 mL	4.8204 mL
10 mM	0.241 mL	1.2051 mL	2.4102 mL
50 mM	0.0482 mL	0.241 mL	0.482 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

Lu H, et al. Discovery of Novel 1-Cyclopentenyl-3-phenylureas as Selective, Brain Penetrant, and Orally Bioavailable CXCR2 Antagonists. J Med Chem. 2018;61(6):2518-2532.

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