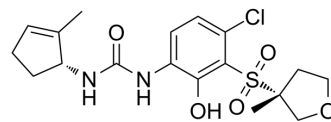


(R,R)-CXCR2-IN-2

Cat. No.:	HY-120878A		
CAS No.:	1838123-22-0		
Molecular Formula:	C ₁₈ H ₂₃ ClN ₂ O ₅ S		
Molecular Weight:	414.9		
Target:	CXCR		
Pathway:	GPCR/G Protein; Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 220 mg/mL (530.25 mM; Need ultrasonic)			
		Solvent	Mass	
		Concentration	1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	2.4102 mL	12.0511 mL	24.1022 mL
	5 mM	0.4820 mL	2.4102 mL	4.8204 mL
	10 mM	0.2410 mL	1.2051 mL	2.4102 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5.5 mg/mL (13.26 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	(R,R)-CXCR2-IN-2, diastereoisomer of CXCR2-IN-2 (compound 68), is a brain penetrant CXCR2 antagonist with a pIC ₅₀ of 9 and 6.8 in the Tango assay and d in the HWB Gro-α induced CD11b expression assay, respectively ^[1] .
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REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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