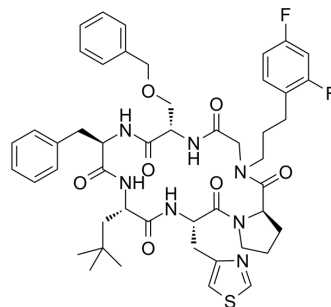


CXCR7 modulator 1

Cat. No.:	HY-107987
CAS No.:	2231812-31-8
Molecular Formula:	C ₄₈ H ₅₇ F ₂ N ₇ O ₇ S
Molecular Weight:	914.07
Target:	CXCR7
Pathway:	GPCR/G Protein; Immunology/Inflammation
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (273.50 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	1.0940 mL	5.4700 mL	10.9401 mL
		5 mM	0.2188 mL	1.0940 mL	2.1880 mL
	10 mM	0.1094 mL	0.5470 mL	1.0940 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (2.28 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (2.28 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	CXCR7 modulator 1 (compound 25) is a potent and orally bioavailable peptoid hybrid CXCR7 modulator, with a K _i of 9 nM ^[1] .
IC₅₀ & Target	CXCR7 9 nM (K _i)

REFERENCES

[1]. Boehm M, et al. Discovery of Potent and Orally Bioavailable Macrocyclic Peptide-Peptoid Hybrid CXCR7 Modulators. J Med Chem. 2017 Dec 14;60(23):9653-9663.

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

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