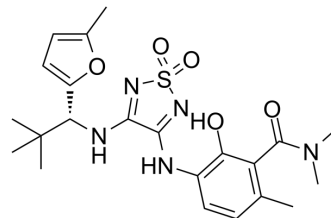


CCR7 Ligand 1

Cat. No.:	HY-133073
CAS No.:	681514-83-0
Molecular Formula:	C ₂₂ H ₂₉ N ₅ O ₅ S
Molecular Weight:	475.56
Target:	CCR; Ligands for Target Protein for PROTAC
Pathway:	GPCR/G Protein; Immunology/Inflammation; PROTAC
Storage:	-20°C, stored under nitrogen
	* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (210.28 mM; Need ultrasonic)				
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div><div>Mass</div></div>	1 mg	5 mg	10 mg
			2.1028 mL	10.5139 mL	21.0278 mL
			0.4206 mL	2.1028 mL	4.2056 mL
			0.2103 mL	1.0514 mL	2.1028 mL
			Please refer to the solubility information to select the appropriate solvent.		

BIOLOGICAL ACTIVITY

Description	CCR7 Ligand 1 (CCR7-Cmp2105) is an allosteric Ligand and antagonist for human CC chemokine receptor 7 (CCR7) with a K _d of 3 nM. CCR7 Ligand 1, thiadiazole-dioxide ligand, suppresses arrestin binding in response to activation by CCL19 with an IC ₅₀ of 7.3 μM ^[1] .
IC ₅₀ & Target	Human CCR7 3 nM (K _d)
In Vitro	<p>CCR7 Ligand 1 (CCR7-Cmp2105) binds to a pocket at the intracellular part of CCR7 between the ends of TM1, TM2, TM3, and TM6 and the loop between TM7 and H8^[1].</p> <p>CCR7 Ligand 1 allosterically inhibits binding of the native chemokine CCL19 ligand in scintillation proximity assays (bottom) with an IC₅₀ of 35 nM^[1].</p> <p>CCR7 Ligand 1 (20, 40, 60, 80, 100 μM) has dose-dependent thermo-stabilizing effect on CCR7^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA