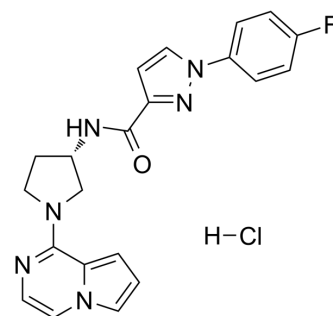


CXCR7 antagonist-1 hydrochloride

Cat. No.:	HY-139643A
CAS No.:	2990472-61-0
Molecular Formula:	C ₂₁ H ₂₀ ClFN ₆ O
Molecular Weight:	426.87
Target:	CXCR
Pathway:	GPCR/G Protein; Immunology/Inflammation
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 350 mg/mL (819.92 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		2.3426 mL	11.7132 mL	23.4263 mL
		5 mM		0.4685 mL	2.3426 mL	4.6853 mL
		10 mM		0.2343 mL	1.1713 mL	2.3426 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 8.75 mg/mL (20.50 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 8.75 mg/mL (20.50 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 8.75 mg/mL (20.50 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	CXCR7 antagonist-1 hydrochloride is a CXCR7 antagonist that inhibits the binding of the SDF-1 chemokine (also known as the CXCL12 chemokine) or I-TAC (also known as CXCL11) to the chemokine receptor CXCR7. CXCR7 antagonist-1 hydrochloride is useful in preventing tumor cell proliferation, tumor formation, inflammatory diseases, and many other diseases (extracted from patent WO2014085490A1, compound 1.128) ^[1] .
IC ₅₀ & Target	CXCR7

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