CXCR7 antagonist-1 hydrochloride

Cat. No.: HY-139643A

Molecular Formula: $C_{21}H_{20}ClFN_6O$

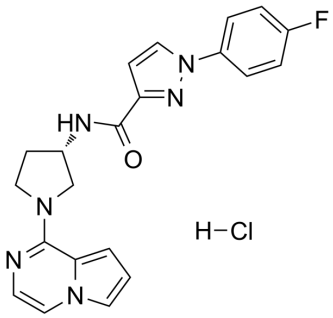
Molecular Weight: 426.87

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	Mass / Solvent / Concentration	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.

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

[1]. Junfa Fan, et al. Cxcr7 antagonists. Patent WO2014085490A1.

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

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