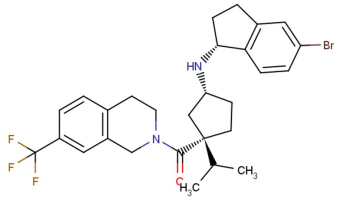
Data Sheet (Cat.No.T10711)

TargetMol
A DRUG SCREENING EXPERT

CCR2 antagonist 1

Chemical Properties



CAS No.:	1683534-96-4
Formula:	C28H32BrF3N2O
Molecular Weight:	549.47
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	CCR2 antagonist 1 is a high-affinity and long-residence-time antagonist of CCR2 (Ki: 2.4 nM).
Targets(IC_{50})	CCR2: 2.4 nM (ki)
In vitro	The combination of SAR and SKR in the hit-to-lead process results in the discovery of a new high-affinity and long residence time CCR2 antagonist 1 (compound 15a, Ki=2.4 nM; RT=714 min).

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.82 mL	9.1 mL	18.199 mL
5 mM	0.364 mL	1.82 mL	3.64 mL
10 mM	0.182 mL	0.91 mL	1.82 mL
50 mM	0.036 mL	0.182 mL	0.364 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Vilums M, et al. When structure-affinity relationships meet structure-kinetics relationships: 3-((Inden-1-yl)amino)-1-isopropyl-cyclopentane-1-carboxamides as CCR2 antagonists. Eur J Med Chem. 2015 Mar 26;93:121-34.

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