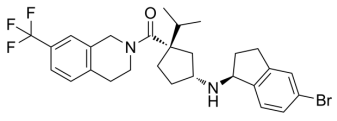
(1S)-CCR2 antagonist 1

Cat. No.:	HY-112792A
CAS No.:	1683534-97-5
Molecular Formula:	$C_{28}H_{32}BrF_3N_2O$
Molecular Weight:	549.47
Target:	CCR
Pathway:	GPCR/G Protein; Immunology/Inflammation
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



BIOLOGICAL ACTIVITY

Description	(1S)-CCR2 antagonist 1 is a left-handed chiral body of CCR2 antagonist 1 (HY-112792). CCR2 antagonist 1 is a high-affinity and long-residence-time CCR2 antagonist, with a K_i of 2.4 nM[1].
In Vitro	The combination of SAR and SKR in the hit-to-lead process results in the discovery of a new higheaffinity and longeresidenceetime CCR2 antagonist (CCR2 antagonist 1 (compound 15a), K_i=2.4 nM; RT=714 min)[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[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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