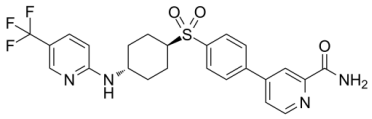
Data Sheet

Product Name:	CCR6 inhibitor 1
Cat. No.:	CS-0062823
Molecular Formula:	C24H23F3N4O3S
Molecular Weight:	504.52
Target:	CCR
Pathway:	GPCR/G Protein; Immunology/Inflammation
Solubility:	DMSO : ≥ 125 mg/mL (247.76 mM)



BIOLOGICAL ACTIVITY:

CCR6 inhibitor 1 is a potent and selective **CCR6** inhibitor, with **IC_{50}**s of 0.45 and 6 nM for monkey and human CCR6, much more selective at CCR6 over human CCR1 (IC_{50}, > 30000 nM), and CCR7 (IC_{50}, 9400 nM). CCR6 inhibitor 1 markedly blocks ERK phosphorylation. CCR6 inhibitor 1 is used in the research of autoimmune diseases and cancer[1]. IC50 & Target: IC50: 0.45 nM (Moneky CCR6), 6 nM (Human CCR6), 9400 nM (Human CCR7)[1] **In Vitro:** CCR6 inhibitor 1 (Compound 35) inhibits L20-induced human B cell migration[1].

References:

[1]. Tawaraishi T, et al. Identification of a novel series of potent and selective CCR6 inhibitors as biological probes. Bioorg Med Chem Lett. 2018 Oct 1;28(18):3067-3072.

CAIndexNames:

CCR6 inhibitor 1

SMILES:

O=S([C@H](CC1)CC[C@@H]1NC2=NC=C(C(F)(F)F)C=C2)(C3=CC=C(C4=CC=NC(C(N)=O)=C4)C=C3)=O

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

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