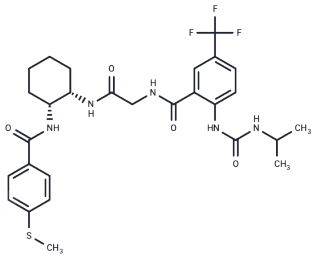
# Data Sheet (Cat.No.T14688)

TargetMol

## BMS CCR2 22

### Chemical Properties



CAS No. : 445479-97-0

Formula: C28H34F3N5O4S

Molecular Weight: 593.66

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

### Biological Description

| | |
|---|---|
| Description | BMS CCR2 22 is a potent and selective antagonist of CCR2 with calcium flux IC50 of 18 nM, chemotaxis IC50 of 1 nM, and binding IC50 of 5.1 nM. |
| Targets(IC50) | CCR |
| In vitro | BMS CCR2 22 inhibits the internalization of hMCP1_AF647 (IC50 = 2 nM)[2]. HAoECs with BMS CCR2 22 before MCP-1 increases the cell surface levels of VCAM-1 from 72.8 to 160% and PECAM1 from 97.2 and 127%[3]. |

### Solubility Information

| | |
|---|---|
| Solubility | DMSO: 225.0 mg/mL (379.0 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 1.6845 mL | 8.4223 mL | 16.8447 mL |
| 5 mM | 0.3369 mL | 1.6845 mL | 3.3689 mL |
| 10 mM | 0.1684 mL | 0.8422 mL | 1.6845 mL |
| 50 mM | 0.0337 mL | 0.1684 mL | 0.3369 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference


Cherney RJ, et al. Discovery of disubstituted cyclohexanes as a new class of CC chemokine receptor 2 antagonists. J Med Chem. 2008 Feb 28;51(4):721-4.

Kredel S, et al. High-content analysis of CCR2 antagonists on human primary monocytes. J Biomol Screen. 2011 Aug;16(7):683-93.

D'Antoni ML, et al. Cenicriviroc inhibits trans-endothelial passage of monocytes and is associated with impaired E-selectin expression. J Leukoc Biol. 2018 Dec;104(6):1241-1252.

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