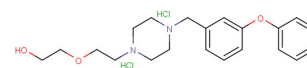


ZK756326 dihydrochloride

## Chemical Properties

CAS No.:	1780259-94-0
Formula:	C <sub>21</sub> H <sub>30</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	429.38
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	ZK756326 dihydrochloride is a agonist of nonpeptide chemokine receptor for the CC chemokine receptor CCR8.
Targets(IC <sub>50</sub> )	CCR8: 1.8 μM (in U87 cells) 5-HT1A: 5.4 μM 5-HT2B: 4.4 μM 5-HT2C: 34.8 μM 5-HT5A: 16 μM 5-HT6: 5.9 μM α2A: 20 μM
In vitro	ZK 756326 inhibits the binding of the CCR8 ligand I-309 (CCL1)(IC <sub>50</sub> of 1.8 μM). ZK 756326 is a CCR8 full agonist, dose-responsively eliciting an increase in intracellular calcium and cross-desensitizing the response of the receptor to CCL1. ZK 756326 stimulates extracellular acidification in cells expressing human CCR8. In these assays, ZK 756326 is tested at 50 μM for inhibition of radiolabeled ligand binding. At this concentration, ZK 756326 shows >28 fold specificity for CCR8 compared with 26 other GPCRs, all with IC <sub>50</sub> values of >50 μM.

## Solubility Information

Solubility	DMSO: 6 mg/mL (13.97 mM) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.329 mL	11.645 mL	23.289 mL
5 mM	0.466 mL	2.329 mL	4.658 mL
10 mM	0.233 mL	1.164 mL	2.329 mL
50 mM	0.047 mL	0.233 mL	0.466 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 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Haskell CA, et al. Identification and characterization of a potent, selective nonpeptide agonist of the CC chemokine receptor CCR8. Mol Pharmacol. 2006 Jan;69(1):309-16.

[Inhibitors](#) · [Natural Compounds](#) · [Compound Libraries](#)

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481