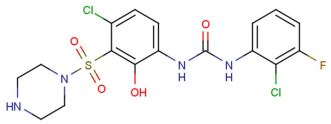
Data Sheet (Cat.No.T11179)

TargetMol
A DRUG SCREENING EXPERT

Elubrixin

Chemical Properties



CAS No.:	688763-64-6
Formula:	C17H17Cl2FN4O4S
Molecular Weight:	463.31
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Elubrixin inhibits neutrophil CD11b upregulation (IC50 of 260.7 nM) and shape change (IC50 of 310.5 nM). Elubrixin can be used for inflammatory diseases such as inflammatory bowel disease and airway inflammation. Elubrixin is a potent, selective, competitive, reversible and orally active CXCR2 antagonist and an IL-8 receptor antagonist.
Targets(IC_{50})	CXCR2: None
In vitro	Elubrixin has an inhibitory effect on neutrophils in a dose-dependent fashion.

Solubility Information

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.158 mL	10.792 mL	21.584 mL
5 mM	0.432 mL	2.158 mL	4.317 mL
10 mM	0.216 mL	1.079 mL	2.158 mL
50 mM	0.043 mL	0.216 mL	0.432 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. Mozaffari S, et al. Inflammatory bowel disease therapies discontinued between 2009 and 2014. Expert Opin Investig Drugs. 2015;24(7):949-56.
2. Lazaar AL, et al. SB-656933, a novel CXCR2 selective antagonist, inhibits ex vivo neutrophil activation and ozone-induced airway inflammation in humans. Br J Clin Pharmacol. 2011 Aug;72(2):282-93.
3. Nicholson GC, et al. A novel flow cytometric assay of human whole blood neutrophil and monocyte CD11b levels: upregulation by chemokines is related to receptor expression, comparison with neutrophil shape change, and effects of a chemokine receptor (CXCR2) antagonist. Pulm Pharmacol Ther. 2007;20(1):52-9.

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