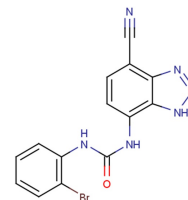


SB-265610

Chemical Properties

CAS No.:	211096-49-0
Formula:	C ₁₄ H ₉ BrN ₆ O
Molecular Weight:	357.16
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	SB-265610 is a nonpeptide and allosteric CXCR2 antagonist. SB-265610 blocks rat cytokine-induced neutrophil chemoattractant-1 (CINC-1)-induced calcium mobilization and neutrophil chemotaxis (IC ₅₀ s: 3.7 nM and 70 nM, respectively).
Targets(IC ₅₀)	CXCR2: None
In vitro	SB-265610 decreases the antiapoptotic effect of CINC-1 to the levels of those untreated with CINC-1. SB-265610 antagonizes rat cytokine-induced neutrophil chemoattractant-1 (CINC-1)-induced calcium mobilization (IC ₅₀ of 3.7 nM) and rat neutrophil chemotaxis in a concentration-dependent manner (IC ₅₀ of 70 nM) [1].
In vivo	SB-265610 (100 mg/kg/day;p.o; daily; for 5 days; CXCR2 wild type mice) treatment markedly delays healing parameters in CXCR2 wild type mice during the wound repair process [2].

Solubility Information

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

	1mg	5mg	10mg
1 mM	2.8 mL	13.999 mL	27.999 mL
5 mM	0.56 mL	2.8 mL	5.6 mL
10 mM	0.28 mL	1.4 mL	2.8 mL
50 mM	0.056 mL	0.28 mL	0.56 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. Auten RL, et al. Nonpeptide CXCR2 antagonist prevents neutrophil accumulation in hyperoxia-exposed newborn rats. *J Pharmacol Exp Ther.* 2001 Oct;299(1):90-5.
2. Milatovic S, et al. Impaired healing of nitrogen mustard wounds in CXCR2 null mice. *Wound Repair Regen.* 2003 May-Jun;11(3):213-9.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481