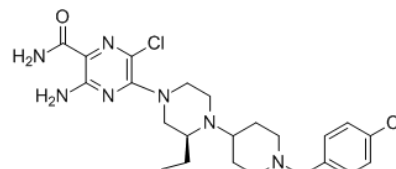


Product Name : SCH-546738
Cat. No. : PC-42073
CAS No. : 906805-42-3
Molecular Formula : C₂₃H₃₁Cl₂N₇O
Molecular Weight : 492.4445
Target : Chemokine Receptor (CCR and CXCR)
Solubility : DMSO: 4.5 mg/mL (Need ultrasonic)



Biological Activity

SCH-546738 (SCH546738) is a potent, selective and non-competitive **CXCR3** antagonist with binding K_i of 0.4 nM for human CXCR3.

SCH-546738 displaces radiolabeled CXCL10 and CXCL11 from human CXCR3 with IC_{50} of 0.8-2 nM.

SCH-546738 potently and specifically inhibits CXCR3-mediated chemotaxis in human activated T cells with IC_{90} of 10 nM.

SCH-546738 attenuates the disease development in mouse collagen-induced arthritis model.

References

Jenh CH, et al. *BMC Immunol.* 2012 Jan 10;13:2.

Kim SH, et al. *Bioorg Med Chem Lett.* 2011 Dec 1;21(23):6982-6. (Compound 8a)

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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