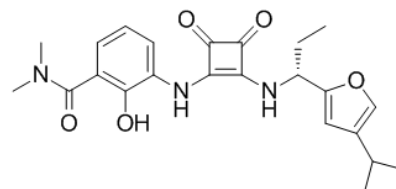


Product Name : SCH-563705
Cat. No. : PC-42055
CAS No. : 473728-58-4
Molecular Formula : C₂₃H₂₇N₃O₅
Molecular Weight : 425.4776
Target : Chemokine Receptor (CCR and CXCR)
Solubility : DMSO: ≥30mg/mL



Biological Activity

SCH-563705 is a potent, orally bioavailable dual **CXCR2/CXCR1** receptor antagonist with IC₅₀ of 1.3 nM and 7.3 nM, respectively.

SCH-563705 demonstrates potent inhibition against both Gro- α and IL-8 induced hPMN migration (Chemotaxis: CXCR2 IC₅₀=0.5 nM, CXCR1 IC₅₀=37 nM).

SCH-563705 dose-dependently decreases paw thickness and clearly reduces inflammation, and bone and cartilage degradation in a mouse model of arthritis.

References

Chao J, et al. *Bioorg Med Chem Lett*. 2007 Jul 1;17(13):3778-83.

Min SH, et al. *Biochem Biophys Res Commun*. 2010 Jan 1;391(1):1080-6.

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

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