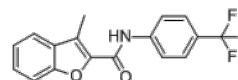


Product Name : MR120
Cat. No. : PC-49306
CAS No. : 588674-64-0
Molecular Formula : C₁₇H₁₂F₃NO₂
Molecular Weight : 319.283
Target : Chemokine Receptor (CCR and CXCR)
Solubility : 10 mM in DMSO



Biological Activity

MR120 (CCR6 antagonist 1b) is a potent, selective **CCR6** antagonist, disrupts the CCL20-induced chemotaxis of CCR6+CD4+ T cells.

MR120 (50 μM, 3 h) blocks the CCL20-induced CD4+ T cell migration.

MR120 (30 nM-300 μM) inhibits miniGi recruitment to CCR6 induced by CCL20, and β-arrestin-1 recruitment to CCR6 and CCR5 by CCL20 and CCL5 (5 nM), respectively.

MR120 (1 mg/kg, s.c., twice daily for 3 days) alleviates TNBS-induced inflammatory responses in mice, shows anti-inflammatory effects

in Zymosan-induced peritonitis mice.

MR120 is a first-in-class inhibitor for IBDs targeting the CCL20/CCR6 axis.

References

Maria Grazia Martina, et al. *Eur J Med Chem.* 2022 Aug 29;243:114703.

2. Allodi M, et al. *Eur J Pharmacol.* 2023 Feb 23;175613.

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

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