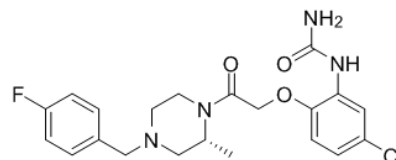


Product Name : BX471
Cat. No. : PC-42889
CAS No. : 217645-70-0
Molecular Formula : C₂₁H₂₄ClFN₄O₃
Molecular Weight : 434.8917
Target : Chemokine Receptor (CCR and CXCR)
Solubility : DMSO: ≥ 51 mg/mL



Biological Activity

BX471 is a potent, selective, non-peptide **CCR1** antagonist with K_i of 1 nM for hCCR1, displays 100 times less affinity for rat CCR1.

BX471 shows 10,000-fold selectivity for CCR1 compared with 28 GPCRs.

BX471 displays CCR1 ligands MIP-1 α , RANTES, and MCP-3 with high affinity (K_i =1-5.5 nM), inhibits a number of CCR1-mediated effects including Ca(2+) mobilization, increase in extracellular acidification rate, CD11b expression.

BX471 effectively reduces disease in a rat experimental allergic encephalomyelitis model of multiple sclerosis.

References

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Liang M, et al. *J Biol Chem*. 2000 Jun 23;275(25):19000-8.

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

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