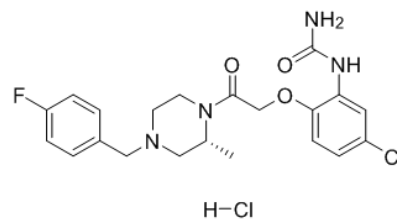


Product Name : BX471 hydrochloride
Cat. No. : PC-42890
CAS No. : 288262-96-4
Molecular Formula : C₂₁H₂₅Cl₂FN₄O₃
Molecular Weight : 471.3526
Target : Chemokine Receptor (CCR and CXCR)
Solubility : 10 mM in DMSO



Biological Activity

BX471 is a potent, selective, orally available CCR1 antagonist with K_i of 1 nM for hCCR1, displays 100 times less affinity for rat CCR1; shows 10,000-fold selectivity for CCR1 compared with 28 GPCRs (); 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; effectively reduces disease in a rat experimental allergic encephalomyelitis model of multiple sclerosis.

Multiple Sclerosis

Discontinued

References

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

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