

Product Name : BMS-817399

Synonyms : BMS817399

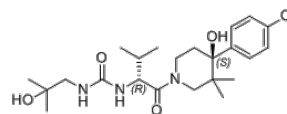
Cat No. : M10732

CAS Number : 1202400-18-7

Molecular Formula : C₂₃H₃₆ClN₃O₄

Formula Weight : 454.01

Chemical Name : 1-((R)-1-((S)-4-(4-chlorophenyl)-4-hydroxy-3,3-dimethylpiperidin-1-yl)-3-methyl-1-oxobutan-2-yl)-3-(2-hydroxy-2-methylpropyl)urea



Description : BMS-817399 is a potent, selective, orally bioavailable CCR1 antagonist with binding IC₅₀ of 1 nM, inhibits MIP-1α-induced chemotaxis with IC₅₀ of 6 nM; shows no binding activity to other CC family receptors, including CCR2, CCR3, CCR4, CCR5, CXCR2, CXCR3, and CXCR5, as well as a broad panel of other GPCRs and biogenic amine transporters; blocks MIP1α- and LKN-1-mediated up-regulation of CD11b in human whole blood with IC₅₀ values of 25 nM and 42 nM, respectively; shows potential for the treatment of rheumatoid arthritis. Rheumatoid Arthritis Phase 2 Discontinued

Pathway : GPCR/G Protein

Target : Chemokine Receptor

Receptor : Chemokine Receptor

Solubility : —

SMILES : CC(C)C(C(=O)N1CCC(C(C1)(C)C)(C2=CC=C(C(=C2)Cl)O)NC(=O)NCC(C)(C)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Santella JB 3rd, et al. J Med Chem. 2014 Sep 25;57(18):7550-64.