
Product Data Sheet

Product Name: JNJ 27141491

Cat. No.: GC50114

Chemical Properties

Cas. No. 871313-59-6

SMILES FC1=CC([C@H](CC)N2C(C(OC)=O)=C(C3=CC=NO3)NC2=S)=CC=C1FFormula C₁₇H₁₅F₂N₃O₃S M.Wt 379.38

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Potent, noncompetitive human CCR2 antagonist; inhibits MCP-1-induced Ca²⁺ mobilization in hCCR2-CHO cells (IC₅₀ = 13 nM). Exhibits selectivity for CCR2 over CCR1, CCR3-8 and CXCR1-3. Delays onset and reduces neurological signs in an experimental autoimmune encephalomyelitis model of multiple sclerosis in hCCR2 knock-in mice. Orally active.

Buntinx et al (2008) Pharmacological profile of JNJ-27141491 [(S)-3-[3,4-difluorophenyl]-propyl]-5-isoxazol-5-yl-2-thioxo-2,3-dihydro-1H-imidazole-4-carboxyl acid methyl ester], as a noncompetitive and orally active antagonist of the human chemokine receptor J.Pharmacol.Exp.Ther. 327 1 PMID:18599682

Caution: Product has not been fully validated for medical applications. For research use only.

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