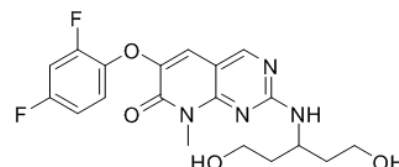


Product Name : Pamapimod
Cat. No. : PC-42565
CAS No. : 449811-01-2
Molecular Formula : C₁₉H₂₀F₂N₄O₄
Molecular Weight : 406.3833
Target : p38 MAPK
Solubility : DMSO: ≥ 34 mg/mL



Biological Activity

Pamapimod (Ro4402257; R1503) is a potent, selective, orally bioavailable **p38 α** MAPK inhibitor with K_d of 0.2 nM. Pamapimod (Ro4402257; R1503) displays >100 fold selectivity over p38 β (K_d=29 nM), and no affinity against p38 γ , p38 δ and a broad panel of kinases. Pamapimod (Ro4402257; R1503) inhibits LPS-stimulated TNF-alpha production by monocytes, IL-1beta production in human whole blood. Pamapimod (Ro4402257; R1503) exhibits the ability to inhibit the signs and symptoms of RA and other autoimmune diseases.

References

- Goldstein DM, et al. *J Med Chem.* 2011 Apr 14;54(7):2255-65.
Hill RJ, et al. *J Pharmacol Exp Ther.* 2008 Dec;327(3):610-9.
Cohen SB, et al. *Arthritis Rheum.* 2009 Feb;60(2):335-44.

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

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