

Product Name	: Pamapimod
Synonyms	: Ro4402257; R1503
Cat No.	: M14535
CAS Number	: 449811-01-2
Molecular Formula	: C ₁₉ H ₂₀ F ₂ N ₄ O ₄
Formula Weight	: 406.38
Chemical Name	: Pyrido[2,3-d]pyrimidin-7(8H)-one, 6-(2,4-difluorophenoxy)-2-[[3-hydroxy-1-(2-hydroxyethyl)propyl]amino]-8-methyl-
Description	: A potent, selective, orally bioavailable p38α MAPK inhibitor with K _d of 0.2 nM; displays >100 fold selectivity over p38β (K _d =29 nM), and no affinity against p38γ, p38δ and a broad panel of kinases; inhibits LPS-stimulated TNF-α production by monocytes, IL-1β production in human whole blood; exhibits the ability to inhibit the signs and symptoms of RA and other autoimmune diseases. Rheumatoid Arthritis Phase 2 Discontinued
Pathway	: MAPK/ERK Signaling
Target	: p38 MAPK
Receptor	: p38α; p38β
Solubility	: DMSO: ≥ 34 mg/mL
SMILES	: <chem>O=C1C(OC2=CC=C(F)C=C2F)=CC3=CN=C(NC(CCO)CCO)N=C3N1C</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

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