

Product Name : R788 free base

Synonyms : Fostamatinib;R788

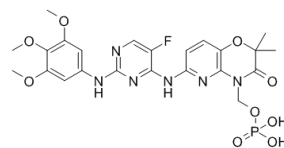
Cat No. : M16480

CAS Number : 901119-35-5

Molecular Formula : C₂₃H₂₆FN₆O₉P

Formula Weight : 580.46

Chemical Name : 2H-Pyrido[3,2-b]-1,4-oxazin-3(4H)-one, 6-[[5-fluoro-2-[(3,4,5-trimethoxyphenyl)amino]-4-pyrimidinyl]amino]-2,2-dimethyl-4-[(phosphonoxy)methyl]-



Description : Fostamatinib (R788) is a prodrug of the active metabolite R406, which is a potent, ATP-competitive inhibitor of Syk kinase with K_i/IC_{50} of 30/41 nM; dose-dependently inhibits anti-IgE-mediated CHMC degranulation with an EC_{50} of 56 nM, inhibits all phosphorylation events downstream of Syk signaling; specifically inhibits FcγR signaling in human mast cells, macrophages, and neutrophils. R788 can inhibit local inflammatory injury mediated by immune complexes; reduces immune complex-mediated inflammation in arthritis models. Rheumatoid Arthritis Phase 3 Clinical

Pathway : Angiogenesis

Target : Syk

Receptor : A3;Adenosinetransporter;Monoaminetransporter;Syk

Solubility : 10 mM in DMSO

SMILES : COC1=CC(NC2=NC=C(F)C(NC3=NC4=C(OC(C)(C)C(=O)N4COP(O)(O)=O)C=C3)=N2)=CC(OC)=C1OC

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Braselmann S, et al. J Pharmacol Exp Ther. 2006 Dec;319(3):998-1008. | 2. Chen L, et al. Blood. 2008 Feb 15;111(4):2230-7. | 3. Suljagic M, et al. Blood. 2010 Dec 2;116(23):4894-905.