

Product Name : Ki20227

Synonyms : Ki 20227; Ki-20227

Cat No. : M15358

CAS Number : 623142-96-1

Molecular Formula : C₂₄H₂₄N₄O₅S

Formula Weight : 480.54

Chemical Name : Urea, N-[4-[(6,7-dimethoxy-4-quinolinyl)oxy]-2-methoxyphenyl]-N'-[1-(2-thiazolyl)ethyl]-

Description : A potent, selective, orally active c-Fms inhibitor with IC₅₀ of 2 nM; weakly inhibits KDR, c-Kit, and PDGFRβ with IC₅₀ of 12, 451, and 217 nM, respectively, no activity against Flt-3, c-Src, Fyn, EGFR, FGFR2, Met, Btk, PKA, and PKCα (IC₅₀>1,000 nM); inhibits the M-CSF-dependent cell growth, suppresses osteoclast differentiation and osteolytic bone destruction in a bone metastasis model.

Pathway : Tyrosine Kinase

Target : CSF1R

Receptor : CSF-1R, VEGFR2

Solubility : DMSO: 7.2 mg/mL

SMILES : O=C(NC(C1=NC=CS1)C)NC2=CC=C(OC3=CC=NC4=CC(OC)=C(OC)C=C34)C=C2OC

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Ohno H, et al. Mol Cancer Ther. 2006 Nov;5(11):2634-43. | 2. Ohno H, et al. Eur J Immunol. 2008 Jan;38(1):283-91. | 3. Uemura Y, et al. J Neuroimmunol. 2008 Mar;195(1-2):73-80.

