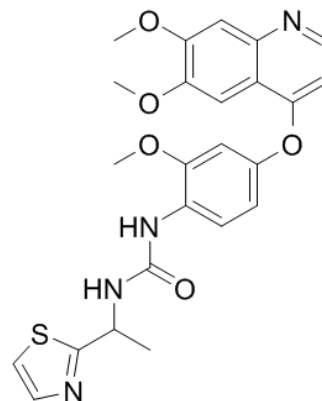


Product Name : Ki20227
Cat. No. : PC-42568
CAS No. : 623142-96-1
Molecular Formula : C₂₄H₂₄N₄O₅S
Molecular Weight : 480.5362
Target : c-Fms (CSF1R)
Solubility : DMSO: 7.2 mg/mL



Biological Activity

Ki20227 is a potent, selective, orally active c-Fms (**CSF1R**) inhibitor with IC₅₀ of 2 nM.

Ki20227 weakly inhibits KDR, c-Kit, and PDGFR β with IC₅₀ of 12, 451, and 217 nM, respectively, no activity against Flt-3, c-Src, Fyn, EGFR, FGFR2, Met, Btk, PKA, and PKC α (IC₅₀>1,000 nM).

Ki20227 inhibits the M-CSF-dependent cell growth, suppresses osteoclast differentiation and osteolytic bone destruction in a bone metastasis model.

References

Ohno H, et al. *Mol Cancer Ther.* 2006 Nov;5(11):2634-43.

Ohno H, et al. *Eur J Immunol.* 2008 Jan;38(1):283-91.

Uemura Y, et al. *J Neuroimmunol.* 2008 Mar;195(1-2):73-80.

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

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