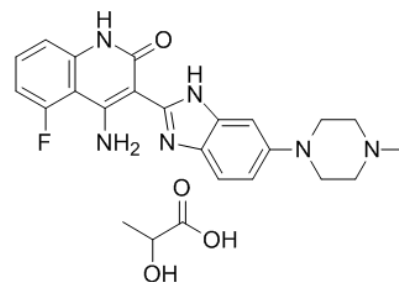


Product Name : Dovitinib lactate
Cat. No. : PC-42452
CAS No. : 692737-80-7
Molecular Formula : C₂₄H₂₇FN₆O₄
Molecular Weight : 482.5073832
Target : FGFR
Solubility : DMSO: ≥ 30 mg/mL



Biological Activity

A novel, multitargeted RTK inhibitor of class III, IV, and V RTKs with IC₅₀ of 1/2/36/8/9 nM for FLT3/c-KIT/c-Fms/FGFR1/FGFR3, respectively; also inhibits VEGFR1/2/3 (IC₅₀=10/13/8 nM) and PDGFRβ/α (IC₅₀=27/210 nM); selectively inhibits the growth of B9 cells and human myeloma cell lines expressing wild-type (WT) or activated mutant FGFR3; inhibits downstream ERK 1/2 phosphorylation and induces cytostatic and cytotoxic effects; demonstrates activity in a xenograft mouse model of FGFR3 MM; orally active.

Blood Cancer

Phase 2 Clinical

References

Trudel S, et al. Blood. 2005 Apr 1;105(7):2941-8.

Lopes de Menezes DE, et al. Clin Cancer Res. 2005 Jul 15;11(14):5281-91.

Xin X, et al. Clin Cancer Res. 2006 Aug 15;12(16):4908-15.

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

E-mail: tech@probechem.com