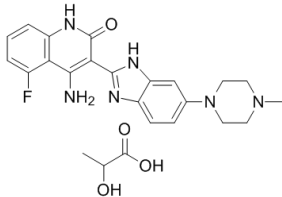


Product Name	: Dovitinib lactate	
Synonyms	: CHIR-258; TKI258; TKI-258; TKI 258; CHIR258; CHIR 258	
Cat No.	: M15649	
CAS Number	: 692737-80-7	
Molecular Formula	: C ₂₄ H ₂₇ N ₆ O ₄	
Formula Weight	: 482.51	
Chemical Name	: Propanoic acid, 2-hydroxy-, compd. with 4-amino-5-fluoro-3-[6-(4-methyl-1-piperazinyl)-1H-benzimidazol-2-yl]-2(1H)-quinolinone (1:1)	
Description	A novel, multitargeted RTK inhibitor of class III, IV, and V RTKs with IC ₅₀ of 1/2/36/8/9 nM for FLT3/c-KIT/c-Fms/FGFR1/FGFR3, respectively; also inhibits VEGFR1/2/3 (IC ₅₀ =10/13/8 nM) and PDGFRβ/α (IC ₅₀ =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	
Pathway	: Angiogenesis	
Target	: FGFR	
Receptor	: FGFR	
Solubility	: DMSO: ≥ 30 mg/mL	
SMILES	: CC(C(=O)O)O.CN1CCN(CC1)C2=CC3=C(C=C2)N=C(N3)C4=C(C5=C(C=CC=C5F)NC4=O)N	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Trudel S, et al. Blood. 2005 Apr 1;105(7):2941-8. | 2. Lopes de Menezes DE, et al. Clin Cancer Res. 2005 Jul 15;11(14):5281-91. | 3. Xin X, et al. Clin Cancer Res. 2006 Aug 15;12(16):4908-15.