

Product Name	: Dovitinib Dilactic Acid
Synonyms	: Dovitinib Dilactic acid; TKI258 Dilactic acid; CHIR-258, TKI258
Cat No.	: M17618
CAS Number	: 852433-84-2
Molecular Formula	: C ₂₁ H ₂₁ FN ₆ O ₂ C ₃ H ₆ O ₃
Formula Weight	: 572.59
Chemical Name	: 2-Hydroxypropanoic acid compd. with 4-amino-5-fluoro-3-[6-(4-methyl-1-piperazinyl)-1H-benzimidazol-2-yl]-2(1H)-quinolinone
Description	: Dovitinib Dilactic acid (TKI258 Dilactic acid) is the Dilactic acid of Dovitinib, which is a multitargeted RTK inhibitor, mostly for class III (FLT3/c-Kit) with IC ₅₀ of 1 nM/2 nM, also potent to class IV (FGFR1/3) and class V (VEGFR1-4) RTKs with IC ₅₀ of 8-13 nM, less potent to InsR, EGFR, c-Met, EphA2, Tie2, IGFR1 and HER2. Phase 4.
Pathway	: Metabolic Enzyme/Protease
Target	: Dehydrogenase
Receptor	: c-Kit; FGFR1; FGFR3; FLT3; VEGFR3/FLT4
Solubility	: —
SMILES	: CC(C(=O)O)O.CC(C(=O)O)O.CN1CCN(CC1)C2=CC=C(C(=C2)N/C(=C/4\C(=C5C(=NC4=O)C=CC=C5F)N)/N3
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Trudel S, et al. Blood. 2005, 105(7), 2941-2948.

