
Dovitinib

产品编号: D51272

CAS: 405169-16-6

分子式: C₂₁H₂₁FN₆O

纯度: ≥98%

InChi: InChI=1S/C₂₁H₂₁FN₆O/c1-27-7-9-28(10-8-27)12-5-6-14-16(11-12)25-20(24-14)18-19(23)17-13(22)3-2-4-15(17)26-21(18)29/h2-6,11H,7-10H₂,1H₃,(H,24,25)(H₃,23,26,29)

InChi Key: PIQCTGMSNWUMAF-UHFFFAOYSA-N

Smiles: CN1CCN(CC1)C1=CC2NC(=NC=2C=C1)C1=C(N)C2=C(F)C=CC=C2NC1=O

外观: 固体粉末

作用通路: c-Kit

溶解性: Soluble in DMSO

保存条件: Store in dry, dark place for one year.

产品介绍: Dovitinib, also known as TKI-258 or CHIR-258, is an orally bioavailable FGFR3 inhibitor, which strongly binds to fibroblast growth factor receptor 3 (FGFR3) and inhibits its phosphorylation, which may result in the inhibition of tumor cell proliferation and the induction of tumor cell death. In addition, this agent may inhibit other members of the RTK superfamily, including the vascular endothelial growth factor receptor; fibroblast growth factor receptor 1; platelet-derived growth factor receptor type 3; FMS-like tyrosine kinase 3; stem cell factor receptor (c-KIT); and colony-stimulating factor receptor 1; this may result in an additional reduction in cellular proliferation and angiogenesis, and the induction of tumor cell apoptosis.