

Midostaurin

产品编号: D51350

CAS: 120685-11-2

分子式: C₃₅H₃₀N₄O₄

纯度: ≥98%

InChi: InChI=1S/C35H30N4O4/c1-35-32(42-3)25(37(2)34(41)19-11-5-4-6-12-19)17-26(43-35)38-23-15-9-7-13-20(23)28-29-22(18-36-33(29)40)27-21-14-8-10-16-24(21)39(35)31(27)30(28)38/h4-16,25-26,32H,17-18H2,1-3H3,(H,36,40)/t25-,26+,32-,35+/m1/s1

InChi Key: BMGQWWVMWDBQGC-AKZXJVOYSA-N

Smiles: CN([C@@H]1C[C@@H]2O[C@@](C)([C@@H]1OC)N1C3=C(C4=CC=CC=C14)C1CNC(=O)C=1C1=C3N2C2C=CC=CC=21)C(=O)C1C=CC=CC=1

外观: 固体粉末

作用通路: PKC

溶解性: Soluble in DMSO, not soluble in water.

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

产品介绍: Midostaurin, also known as PKC-412, PKC-412A and CGP 41251; is a synthetic indolocarbazole multikinase inhibitor with potential antiangiogenic and antineoplastic activities. Midostaurin inhibits protein kinase C alpha (PKCα), vascular endothelial growth factor receptor 2 (VEGFR2), c-kit, platelet-derived growth factor receptor (PDGFR) and FMS-like tyrosine kinase 3 (FLT3) tyrosine kinases, which may result in disruption of the cell cycle, inhibition of proliferation, apoptosis, and inhibition of angiogenesis in susceptible tumors. Midostaurin was approved in 2017.