
JK184

产品编号: D50762

CAS: 315703-52-7

分子式: C₁₉H₁₈N₄O₅

纯度: ≥98%

InChi: InChI=1S/C₁₉H₁₈N₄O₅/c1-3-24-15-9-7-14(8-10-15)21-19-22-16(12-25-19)18-13(2)20-17-6-4-5-11-23(17)18/h4-12H,3H₂,1-2H₃, (H,21,22)

InChi Key: ROYXIPOUVGDTAO-UHFFFAOYSA-N

Smiles: CC1N=C2C=CC=CN2C=1C1=CSC(NC2=CC=C(C=C2)OCC)=N1

外观: 固体粉末

作用通路: Hedgehog

溶解性: DMSO up to 100mM

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

产品介绍: JK184 is a potent and cell-permeable inhibitor of hedgehog (Hh) signaling downstream of Smo, identified by a cell-based Hh pathway reporter screening. JK184 was found to inhibit Adh7 (IC₅₀ ~210 nM), the class IV alcohol dehydrogenase as well as act as a microtubule depolymerizing agent in vitro. JK184 inhibits Hh agonit-induced Gli transcriptional activity (IC₅₀ ~30 nM) as well as Gli1 and Ptc1 mRNA expression in a dose-dependent manner in 10T1/2 cells. It shows antiproliferative activity in a range of cancer cell lines (IC₅₀ ~ 3 - 21 nM), and inhibits the growth of two xenografted tumors in mice in vivo.