
IOX2

产品编号: D51018

CAS: 931398-72-0

分子式: C₁₉H₁₆N₂O₅

纯度: ≥98%

InChi: InChi=1S/C₁₉H₁₆N₂O₅/c22-15(23)10-20-18(25)16-17(24)13-8-4-5-9-14(13)21(19(16)26)11-12-6-2-1-3-7-12/h1-9,24H,10-11H₂, (H,20,25)(H,22,23)

InChi Key: CAOSCCRYLYQBES-UHFFFAOYSA-N

Smiles: OC(=O)CNC(=O)C1C(=O)N(CC2C=CC=CC=2)C2=CC=CC=C2C=1O

外观: 固体粉末

作用通路: HIF/HIF Prolyl-Hydroxylase

溶解性: DMSO up to 100 mM

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

产品介绍: IOX2 is a potent, selective and cell permeable inhibitor of hypoxia inducible factor 1α (HIF1α) prolyl hydroxylase-2 (PHD2). It inhibits PHD2 with an IC₅₀ ~21 nM, and exhibits over 100-fold selectivity against JMJD2A, JMJD2C, JMJD2E, JMJD3, or the 2OG oxygenase FIH. IOX2 is active in cells, inhibiting HIF-1α hydroxylation in RCC4 cells at 50 μM.