
HIF-C2

产品编号: D50791

CAS: 1422955-31-4

分子式: C₁₂H₆ClFN₄O₃

纯度: ≥98%

InChi: InChi=1S/C12H6ClFN4O3/c13-6-3-7(14)5-8(4-6)15-10-2-1-9-11(17-21-16-9)12(10)18(19)20/h1-5,15H

InChi Key: CDQUJZKBRAFWNG-UHFFFAOYSA-N

Smiles: [O-][N+](=O)C1C2=NON=C2C=CC=1NC1C=C(F)C=C(Cl)C=1

外观: 固体粉末

作用通路: HIF/HIF Prolyl-Hydroxylase

溶解性: DMSO up to 50 mM

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

产品介绍: HIF-C2 is a potent and selective allosteric inhibitor of hypoxia inducible factor-2 (HIF-2). It binds within the internal cavity of HIF-2α PAS-B (K_d of 81 nM) and disrupts heterodimerization of the full-length HIF-2 transcription factor. HIF-C2 functions effectively as a HIF-2 inhibitor in living cells, disrupting HIF-2 DNA binding and inhibiting the transcription of its target genes. Moreover, HIF-C2 is selective for the HIF-2 isoform and has no activity to antagonize HIF-1. HIF-C2 provides an opportunity to delineate differences in HIF-1 and HIF-2 biology and serves as an entry point for development of HIF-2 inhibitor drugs for treating diseases, including renal cell carcinomas.