
PFI-4

产品编号: D50922

CAS: 900305-37-5

分子式: C₂₁H₂₄N₄O₃

纯度: ≥98%

InChi: InChi=1S/C₂₁H₂₄N₄O₃/c1-23-17-12-15(22-20(26)14-8-4-5-9-19(14)28-3)16(25-10-6-7-11-25)13-18(17)24(2)21(23)27/h4-5,8-9,12-13H,6-7,10-11H₂,1-3H₃, (H,22,26)

InChi Key: QCIJLRJBZDBVDB-UHFFFAOYSA-N

Smiles: COC1C=CC=CC=1C(=O)NC1=CC2=C(C=C1N1CCCC1)N(C)C(=O)N2C

外观: 固体粉末

作用通路: Epigenetic Reader Domain

溶解性: DMSO up to 50 mM, EtOH up to 10 mM

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

产品介绍: PFI-4 is a potent, selective and cell permeable BRPF1 bromodomain inhibitor. It binds to BRPF1B with a K_d of 13 nM (ITC). It has general >100-fold selectivity against other bromodomains including BRPF2, BRPF3 and BRD4. It reduces recovery time in triple BRD cell construct in FRAP and is potent in cells with IC₅₀ 250 nM, while showing no effect on BRPF1A.