
PF-04447943

产品编号: D52177

CAS: 1082744-20-4

分子式: C₂₀H₂₅N₇O₂

纯度: 99.11%

InChi Key: InChiKey=IWXUVYOOUMLUTQ-CZUORRHYS-A-N

Smiles: O=C1C2=C(N(N=C2)C3CCOCC3)NC(=N1)[C@@H]4CN(CC=5N=CC=CN5)C[C@H]4C

外观: 固体粉末

作用通路: Metabolism

作用靶点: PDE

溶解性: DMSO:39.55 mg/mL (100 mM; Need ultrasonic)

保存条件: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

产品介绍: PF-04447943 is a potent and selective phosphodiesterase 9A inhibitor with an IC₅₀ of 12 nM, which is 78-fold more selective than that used for other PDE family members (IC₅₀>1000 nM). PF-04447943 exhibits anti-inflammatory activity, attenuates inflammatory responses by inhibiting oxidative stress, inflammation, and modulating T-cell polarization, and may be useful for research on sickle cell anemia.