
UNC0379

产品编号: D50870

CAS: 1620401-82-2

分子式: C₂₃H₃₅N₅O₂

纯度: ≥98%

InChi: InChI=1S/C₂₃H₃₅N₅O₂/c1-29-20-16-18-19(17-21(20)30-2)25-23(28-14-8-9-15-28)26-22(18)24-10-4-3-5-11-27-12-6-7-13-27/h16-17H,3-15H₂,1-2H₃,(H,24,25,26)

InChi Key: WEXCGGWTIDNVNT-UHFFFAOYSA-N

Smiles: COC1C=C2N=C(N=C(NCCCCCN3CCCC3)C2=CC=1OC)N1CCCC1

外观: 固体粉末

作用通路: Histone Methyltransferase

溶解性: DMSO up to 100 mM

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

产品介绍: UNC0379 is a selective, substrate-competitive inhibitor of the lysine methyltransferase SETD8. UNC0379 is active in multiple biochemical assays. Its affinity to SETD8 was confirmed by ITC (isothermal titration calorimetry) and SPR (surface plasmon resonance) studies. Importantly, UNC0379 is selective for SETD8 over 15 other methyltransferases. The lysine methyltransferase SETD8 is the only known methyltransferase that catalyzes monomethylation of histone H4 lysine 20 (H4K20). Monomethylation of H4K20 has been implicated in regulating diverse biological processes including the DNA damage response.