
GSK591 (EPZ015866)

产品编号: D50976

CAS: 1616391-87-7

分子式: C₂₂H₂₈N₄O₂

纯度: ≥98%

InChi: InChI=1S/C₂₂H₂₈N₄O₂/c27-20(15-26-11-9-16-4-1-2-5-18(16)14-26)13-24-22(28)17-8-10-23-21(12-17)25-19-6-3-7-19/h1-2,4-5,8,10,12,19-20,27H,3,6-7,9,11,13-15H₂, (H,23,25)(H,24,28)/t20-/m0/s1

InChi Key: TWKYXZSXXXKKJU-FQEVSTJZSA-N

Smiles: O[C@@H](CNC(=O)C1=CC(NC2CCC2)=NC=C1)CN1CCC2=CC=CC=C2C1

外观: 固体粉末

作用通路: Histone Methyltransferase

溶解性: DMSO: 76 mg/mL(199.74 mM). Water: Insoluble.

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

产品介绍: GSK591, also known as EPZ015866 and GSK3203591, is a chemical probe for PRMT5. In an in vitro biochemical assay, GSK591 potently inhibits the PRMT5/MEP50 complex from methylating (histone) H4 with IC₅₀ = 11 nM. In Z-138 cells, GSK591 inhibits the symmetric arginine methylation of SmD3 with EC₅₀ = 56 nM. Further, GSK591 is selective for PRMT5 (up to 50 micromolar) relative to a panel of methyltransferases.