
BIX-01294

产品编号: D50878

CAS: 1392399-03-9

分子式: C₂₈H₄₁Cl₃N₆O₂

纯度: ≥98%

InChi: InChi=1S/C₂₈H₃₈N₆O₂.3ClH/c1-32-12-7-13-34(17-16-32)28-30-24-19-26(36-3)25(35-2)18-23(24)27(31-28)29-22-10-14-33(15-11-22)20-21-8-5-4-6-9-21;;;/h4-6,8-9,18-19,22H,7,10-17,20H2,1-3H3,(H,29,30,31);3*1H

InChi Key: FMURUEPQXKJIPS-UHFFFAOYSA-N

Smiles: Cl.Cl.Cl.CN1CCN(CCC1)C1N=C(NC2CCN(CC3C=CC=CC=3)CC2)C2=CC(OC)=C(C=C2N=1)OC

外观: 固体粉末

溶解性: DMSO up to 100 mM

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

产品介绍: BIX-01294 is a potent and selective G9a and GLP histone lysine methyltransferase inhibitor with an IC₅₀ ~0.7 μM and 1.7 μM respectively. It has no activity at other histone methyltransferases. BIX-01294 modulates H3K9me₂ levels in mammalian cells and potentiates induction of pluripotent stem cells from somatic cells in vitro. It could reactivate expression of HIV-1 from latently infected cells such as ACH-2 and OM10.1, suggesting the involvement of histone H3 lysine 9 (H3K9) methyltransferase G9a in the maintenance of HIV-1 latency. It can also inhibit malaria parasite histone methyltransferases, resulting in rapid and irreversible parasite death.