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GSK343

产品编号: D50839

CAS: 1346704-33-3

分子式: C31H39N7O2

纯度: ≥98%

InChi: InChI=1S/C31H39N7O2/c1-6-7-23-14-21(4)35-31(40)26(23)18-33-30(39)25-15-24(16-28-27(25)19-34-38(28)20(2)3)22-8-9-32-29(17-22)37-12-10-36(5)11-13-37/h8-9,14-17,19-20H,6-7,10-13,18H2,1-5H3,(H,33,39)(H,35,40)

InChi Key: ULNXAWLQFZMIHX-UHFFFAOYSA-N

Smiles: CN1CCN(CC1)C1C=C(C=CN=1)C1C=C(C2C=NN(C(C)C)C=2C=1)C(=O)NCC1=C(CCC)C=C(C)NC1=O

外观: 固体粉末

作用通路: Autophagy

溶解性: DMSO up to 1 mM

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

产品介绍: GSK343 is a potent and selective small molecule inhibitor of histone methyltransferase EZH2 with an IC50 of 4 nM. It showed 60 fold selectivity against EZH1, and >1000 fold selectivity against other histone methyltransferases. GSK343 inhibits H3K27 methylation in HCC1806 breast cancer cells with an IC50 of <200 nM. GSK343 significantly suppressed the growth of EOC cells cultured in 3D matrigel extracellular matrix (ECM), which more closely mimics the tumor microenvironment in vivo. Notably, it induces apoptosis of EOC cells in 3D but not 2D culture. In addition, GSK343 significantly inhibited the invasion of EOC cells.