
MAK-683

产品编号: D51673

CAS: 1951408-58-4

分子式: C₂₀H₁₇FN₆O

纯度: ≥98%

InChi: InChi=1S/C₂₀H₁₇FN₆O/c1-12-13(3-2-7-22-12)16-10-24-20(27-11-25-26-19(16)27)23-9-15-14-6-8-28-18(14)5-4-17(15)21/h2-5,7,10-11H,6,8-9H2,1H3,(H,23,24)

InChi Key: XLIBABIFOBYSV-UHFFFAOYSA-N

Smiles: CC1=NC=CC=C1C1=CN=C(NCC2=C(F)C=CC3OCCC2=3)N2C=NN=C21

外观: 固体粉末

作用通路: Histone Methyltransferase

溶解性: Soluble in DMSO

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

产品介绍: MAK-683 is a potent inhibitor of embryonic ectoderm development protein (EED) and allosteric inhibitor of polycomb repressive complex 2 (PRC2), with potential antineoplastic activity. Upon administration, MAK683 selectively binds to the domain of EED that interacts with trimethylated lysine 27 on histone 3 (H3K27me₃), which leads to a conformational change in the EED H3K27me₃-binding pocket and prevents the interaction of EED with the histone methyltransferase enhancer zeste homolog 2 (EZH2).