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## UNC0642

产品编号: D50851

CAS: 1481677-78-4

分子式: C<sub>29</sub>H<sub>44</sub>F<sub>2</sub>N<sub>6</sub>O<sub>2</sub>

纯度: ≥98%

InChi: InChI=1S/C<sub>29</sub>H<sub>44</sub>F<sub>2</sub>N<sub>6</sub>O<sub>2</sub>/c1-21(2)36-14-7-22(8-15-36)32-27-23-19-25(38-3)26(39-18-6-13-35-11-4-5-12-35)20-24(23)33-28(34-27)37-16-9-29(30,31)10-17-37/h19-22H,4-18H<sub>2</sub>,1-3H<sub>3</sub>, (H,32,33,34)

InChi Key: RNAMYOYQYRYFY-UHFFFAOYSA-N

Smiles: CC(C)N1CCC(CC1)NC1=NC(=NC2=CC(OCCCN3CCCC3)=C(C=C21)OC)N1CCC(F)(F)CC1

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: UNC0642 is a novel highly potent, selective and cell permeable inhibitor of the homologous protein lysine methyltransferases, G9a and GLP, with IC<sub>50</sub> < 2.5 nM. It has selectivity > 1000-fold over 13 other HMTs and selected representatives of kinases, ion channels, 7TMs, and other epigenetic proteins. UNC0642 reduces H3K9 dimethylation levels in MDA-MB-231 cells (IC<sub>50</sub>~110 nM). It has improved PK properties relative to UNC0638 and displayed modest brain penetration in vivo.