
KDM5-C70

产品编号: D50856

CAS: 1596348-32-1

分子式: C₁₇H₂₈N₄O₃

纯度: ≥98%

InChi: InChI=1S/C₁₇H₂₈N₄O₃/c1-5-21(10-9-20(3)4)16(22)13-18-12-15-11-14(7-8-19-15)17(23)24-6-2/h7-8,11,18H,5-6,9-10,12-13H2,1-4H3

InChi Key: WCILOMUUNVPIKQ-UHFFFAOYSA-N

Smiles: CN(C)CCN(CC)C(=O)CNCC1C=C(C=CN=1)C(=O)OCC

外观: 固体粉末

作用通路: Histone Demethylase

溶解性: DMSO up to 100 mM

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

产品介绍: KDM5-C70 is an ethyl ester derivative of KDM5-C49, which is a potent and selective inhibitor of Jumonji AT-Rich Interactive Domain 1 (JARID1) histone demethylases. The highly polar carboxylate group of KDM5-C49 restricts its cellular permeability; therefore KDM5-C70 was developed as a pro-drug, masking the polarity of the acid group of the KDM5-C49, for cellular assays and in vivo use. KDM5-C70 increases H3K4me3 levels in myeloma cells. Treatment of MCF7 and MDA-MB-231 breast cancer cells with KDM5-C70 significantly increased global levels of H3K4me3 while having little impact on H3K4me2/me1 or modifications regulated by other histone lysine demethylases.