
NSC636819

产品编号: D50947

CAS: 1618672-71-1

分子式: C₂₂H₁₂Cl₄N₂O₄

纯度: ≥98%

InChi: InChi=1S/C₂₂H₁₂Cl₄N₂O₄/c23-17-7-3-13(9-19(17)25)1-5-15-11-16(22(28(31)32)12-21(15)27(29)30)6-2-14-4-8-18(24)20(26)10-14/h1-12H/b5-1+,6-2+

InChi Key: YYZPXBXVBQSBGDG-IJIVKGSJSA-N

Smiles: [O-][N+](=O)C1C=C(C(=CC=1/C=C/C1=CC(Cl)=C(Cl)C=C1)/C=C/C1=CC(Cl)=C(Cl)C=C1)[N+](O-)=O

外观: 固体粉末

溶解性: DMSO up to 10 mM

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

产品介绍: NSC636819 is a cell permeable and selective novel active-site KDM4A/KDM4B inhibitor with IC₅₀ ~6.4 μM for KDM4A and 9.3 μM for KDM4B. It inhibits histone demethylase activity on H3K9me₃ and induces apoptosis in LNCaP prostate cancer cells in vitro. It also negatively regulates androgen-responsive genes. The overexpression of KDM4A/KDM4B in prostate cancer and their association with androgen receptor suggest that KDM4A/KDM4B are potential progression factors for prostate cancer.