
MALT1-MI-2 (MI-2)

产品编号: D50771

CAS: 1047953-91-2

分子式: C₁₉H₁₇Cl₃N₄O₃

纯度: ≥98%

InChi: InChi=1S/C₁₉H₁₇Cl₃N₄O₃/c1-28-8-9-29-19-24-18(12-2-7-15(21)16(22)10-12)26(25-19)14-5-3-13(4-6-14)23-17(27)11-20/h2-7,10H,8-9,11H₂,1H₃,(H,23,27)

InChi Key: TWJGQZBSEMDPQP-UHFFFAOYSA-N

Smiles: COCCOC1N=C(C2=CC(Cl)=C(Cl)C=C2)N(N=1)C1C=CC(=CC=1)NC(=O)CCl

外观: 固体粉末

作用通路: MALT1

溶解性: DMSO up to 100 mM

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

产品介绍: MALT1-MI-2 (MI-2) is a highly potent and selective small molecule directly binding to MALT1 and irreversibly suppressing its protease function. MI-2 concentrated within human ABC-DLBCL cells and irreversibly inhibited cleavage of MALT1 substrates with EC₅₀ < 1 μM (HBL-1 ~200 nM; TMD8 ~500 nM). This was accompanied by NF-κB pathway suppression, c-REL nuclear localization inhibition, and NF-κB target gene downregulation. MI-2 was nontoxic to mice, and displayed selective activity against ABC-DLBCL cell lines in vitro and xenotransplanted ABC-DLBCL tumors in vivo. It was also effective against primary human non-germinal center B cell-like DLBCLs ex vivo.