
LDN-57444

产品编号: D50868

CAS: 668467-91-2

分子式: C₁₇H₁₁Cl₃N₂O₃

纯度: ≥98%

InChi: InChI=1S/C₁₇H₁₁Cl₃N₂O₃/c1-9(23)25-21-16-13-7-12(19)3-5-15(13)22(17(16)24)8-10-6-11(18)
2-4-14(10)20/h2-7H,8H₂,1H₃/b21-16-

InChi Key: OPQRFPHLZZPCCH-PGMHBOJBSA-N

Smiles: CC(=O)O/N=C1/C2=CC(Cl)=CC=C2N(CC2C=C(Cl)C=CC=2Cl)C/1=O

外观: 固体粉末

作用通路: Apoptosis

溶解性: DMSO up to 25 mM

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

产品介绍: LDN-57444 is a novel potent and selective inhibitor of ubiquitin C-terminal hydrolase-L1 (UCH-L1) with IC₅₀ ~0.88 μM. It has ~28-fold greater selectivity over UCH-L3 (ubiquitin C-terminal hydrolase L3). LDN-57444 can increase levels of highly ubiquitinated proteins and decreases ubiquitin proteasome activity. It causes cell death through the apoptosis pathway. LDN-57444's activity leads to dramatic alterations in synaptic protein distribution and spine morphology in vivo.