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CID-2011756

产品编号: D51033

CAS: 638156-11-3

分子式: C22H21ClN2O3

纯度: ≥98%

InChi: InChI=1S/C22H21ClN2O3/c23-18-3-1-2-17(14-18)20-8-9-21(28-20)22(26)24-19-6-4-16(5-7-19)15-25-10-12-27-13-11-25/h1-9,14H,10-13,15H2,(H,24,26)

InChi Key: XQJWTJLJEYIUDZ-UHFFFAOYSA-N

Smiles: O=C(NC1=CC=C(CN2CCOCC2)C=C1)C1=CC=C(O1)C1=CC(Cl)=CC=C1

外观: 固体粉末

作用通路: PKD

溶解性: 10 mM in DMSO

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

产品介绍: CID-2011756 is a cell-active ATP competitive and specific PKD1 inhibitor that inhibits phorbol ester-induced endogenous PKD1 activation in LNCaP prostate cancer cells. IC50 Value: 10±0.7 uM (cellular inhibition of phospho-Ser916-PKD1 activity) [1] Target: PKD CID 2011756, has pan-PKD inhibitory effects (PKD2 IC50 = 0.6±0.1 uM; PKD3 IC50 = 0.7±0.2 uM) with similar, albeit not identical, potencies which may be expected for an ATP competitive inhibitor. CID 2011756 was the most potent of the inhibitors with a cellular EC50 of 10±0.7 uM (n = 3), an EC50 value comparable to that of our previously described benzoxoloazepinolone.