
NVP-231

产品编号: D51617

CAS: 362003-83-6

分子式: C₂₅H₂₅N₃O₂S

纯度: ≥98%

InChi: InChI=1S/C₂₅H₂₅N₃O₂S/c29-22(18-4-2-1-3-5-18)28-24-27-20-7-6-19(11-21(20)31-24)26-23(30)25-12-15-8-16(13-25)10-17(9-15)14-25/h1-7,11,15-17H,8-10,12-14H₂, (H,26,30)(H,27,28,29)

InChi Key: MVSSJPGNLQPWSW-UHFFFAOYSA-N

Smiles: O=C(NC1=CC2SC(NC(=O)C3C=CC=CC=3)=NC=2C=C1)C12CC3CC(C1)CC(C2)C3

外观: 固体粉末

作用通路: Apoptosis

溶解性: Soluble in DMSO, not in water

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

产品介绍: NVP-231 is a potent, specific, and reversible CerK inhibitor that competitively inhibits binding of ceramide to CerK. NVP-231 is active in the low nanomolar range on purified as well as cellular CerK and abrogates phosphorylation of ceramide, resulting in decreased endogenous C1P levels. When combined with another ceramide metabolizing inhibitor, such as tamoxifen, NVP-231 synergistically increased ceramide levels and reduced cell growth. Therefore, NVP-231 represents a novel and promising compound for controlling ceramide metabolism that may provide insight into CerK physiological function.