www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

FLI-06

产品编号: D50816
CAS: 313967-18-9
分子式: C25H30N2O5
纯度: ≥98%
InChi: InChI=1S/C25H30N2O5/c1-15-21(24(29)32-18-7-5-4-6-8-18)22(16-9-11-17(12-10-16)27(30)31)23-19(26-15)13-25(2,3)14-20(23)28/h9-12,18,22,26H,4-8,13-14H2,1-3H3
InChi Key: SWWVFYHSSOWZMF-UHFFFAOYSA-N
Smiles: CC1NC2CC(C)(C)CC(=O)C=2C(C=1C(=O)OC1CCCCC1)C1C=CC(=CC=1)[N+]([O-])=O
外观: 固体粉末
作用通路: Notch
溶解性: DMSO up to 50 mM
保存条件: Store in dry, dark place for one year.
产品介绍: FLI-06 is a novel potent and selective small molecule intercepting Notch signaling and the early secretory pathway (EC50 ~2.3 μM), identified by using automated microscopy to monitor the trafficking and processing of a ligand-independent Notch-GFP fusion reporter. FLI-06 can induce accumulation of the reporter at the plasma membrane by interfering with transport in the secretory pathway. It can also disrupt the Golgi apparatus in a manner distinct from that of brefeldin A and golgicide A. FLI-06 inhibited general secretion at a step before exit from the endoplasmic reticulum (ER), which was accompanied by a tubule-to-sheet morphological transition of the ER, rendering FLI-06 the first small molecule acting at such an early stage in secretory traffic. FLI-06 is a very useful chemical probe to study the inhibition of membrane traffic at pre- ER-exit site (ERES) stages without fusion of ER-Golgi.