

Product Name	: FLI-06
Synonyms	: FLI06; FLI 06; FLI06
Cat No.	: M17475
CAS Number	: 313967-18-9
Molecular Formula	: C ₂₅ H ₃₀ N ₂ O ₅
Formula Weight	: 438.52
Chemical Name	: cyclohexyl 2,7,7-trimethyl-4-(4-nitrophenyl)-5-oxo-1,4,5,6,7,8-hexahydroquinoline-3-carboxylate
Description	<p>FLI-06 is a Notch inhibitor and the early secretory pathway inhibitor. FLI-06 disrupts the Golgi apparatus in a manner distinct from that of brefeldin A and golgicide A. FLI-06 inhibits 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. FLI-06 is the first small molecule acting at such an early stage in secretory traffic. Notch signaling has a pivotal role in numerous cell-fate decisions, and its aberrant activity leads to developmental disorders and cancer.</p>
Pathway	: Chromatin/Epigenetic
Target	: Epigenetic Reader Domain
Receptor	: Notch
Solubility	: DMSO : ≥ 38 mg/mL; 86.66 mM
SMILES	: <chem>CC1=C(C(c2ccc(cc2)[N+](=O)[O-])C2=C(CC(C)(C)CC2=O)N1)C(=O)OC1CCCCC1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Krmer A, et al. Nat Chem Biol. 2013, 9(11), 731-738.

