

## FLI-06, Notch pathway inhibitor

Catalog	Unit
TBI1504-5MG	5 mg
TBI1504-25MG	25 mg

### Product Details

**Formal Name:** Cyclohexyl-1,4,5,6,7,8-hexahydro-2,7,7-trimethyl-4-(4-nitrophenyl)-5-oxo-3-quinolinecarboxylate

**Molecular Formula:** C<sub>25</sub>H<sub>30</sub>N<sub>2</sub>O<sub>5</sub>

**Formula Weight:** 438.52

**CAS Number:** 313967-18-9

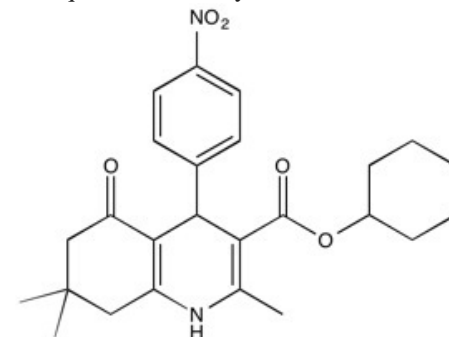
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 50 mg/ml) or in Ethanol (up to 10 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

Notch pathway inhibitor

### Functions

FLI-06 was discovered in a screen designed to monitor the trafficking and processing of a ligand-independent Notch-enhanced GFP reporter. It disrupts the Golgi apparatus in a manner distinct from that of brefeldin A and inhibited general secretion at a step before exit from the ER which was accompanied by a tubule-to-sheet morphological transition of the ER and is thus a novel agent acting at an early stage in secretory traffic (EC<sub>50</sub>=2.3 μM). Abolishes MFAP5-dependent transcriptional programs which are upregulated in intrahepatic cholangiocarcinoma. Suppresses proliferation and induces apoptosis in esophageal squamous cell carcinoma cells.

### Application Procedures

First dissolved in DMSO (up to 50 mg/ml) or in Ethanol (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 1 week.

**For research use only.**