

Certificate of Analysis

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Product Name: FLI 06

Catalog No.: 5172

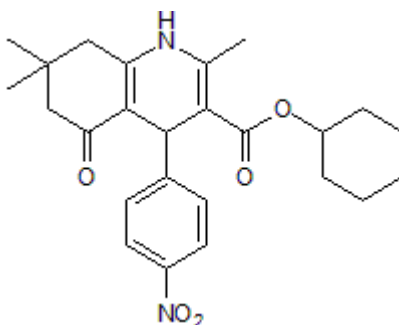
Batch No.: 1

CAS Number: 313967-18-9

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

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₅H₃₀N₂O₅
Batch Molecular Weight: 438.52
Physical Appearance: Yellow solid
Solubility: DMSO to 100 mM
 ethanol to 20 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 100% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

| | Carbon Hydrogen Nitrogen | | |
|-------------|--------------------------|------|------|
| Theoretical | 68.47 | 6.9 | 6.39 |
| Found | 68.72 | 6.92 | 6.39 |

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Inhibitor of Notch signaling (EC₅₀ = 2.3 μM). Disrupts Notch trafficking and processing. Reduces amyloid β secretion. Changes the maturation and abolishes shredding of APP. Inhibits ER exporting and converts tubular ER to sheets.

Physical and Chemical Properties:

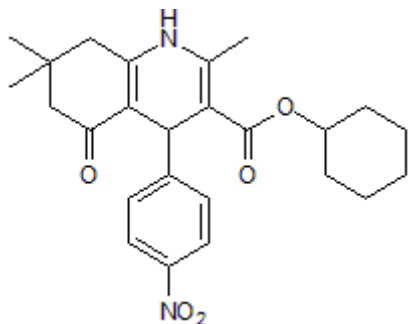
Batch Molecular Formula: C₂₅H₃₀N₂O₅

Batch Molecular Weight: 438.52

Physical Appearance: Yellow solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM
ethanol to 20 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Krämer *et al* (2013) Small molecules intercept Notch signaling and the early secretory pathway. *Nat.Chem.Biol.* **9** 731. PMID: 24077179 .

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