

**Product Name:** JF-NP-26

**Catalog No.:** 6553

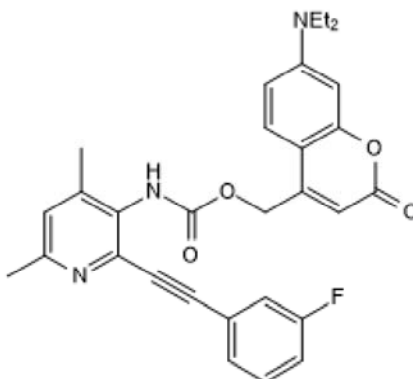
**Batch No.:** 1

CAS Number: 2341841-03-8

IUPAC Name: (7-(Diethylamino)-2-oxo-2*H*-chromen-4-yl)methyl (2-((3-fluorophenyl)ethynyl)-4,6-dimethylpyridin-3-yl)carbamate

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>30</sub>H<sub>28</sub>FN<sub>3</sub>O<sub>4</sub>.H<sub>2</sub>O  
**Batch Molecular Weight:** 531.58  
**Physical Appearance:** Pale yellow solid  
**Solubility:** DMSO to 100 mM  
 ethanol to 10 mM with gentle warming  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 98.5% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	67.78	5.69	7.9
Found	67.6	5.72	7.99

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

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**Description:**

JF-NP-26 is a caged Raseglurant (Cat. No. 4416). Releases raseglurant upon exposure to 405 nm (violet) light. Inhibits the effects of Quisqualate (Cat. No. 0188) in cultured neurons when exposed to 405 nm light. Exhibits analgesic activity in pain models *in vivo* on photoactivation. Quantum yield = 0.18.

**Physical and Chemical Properties:**

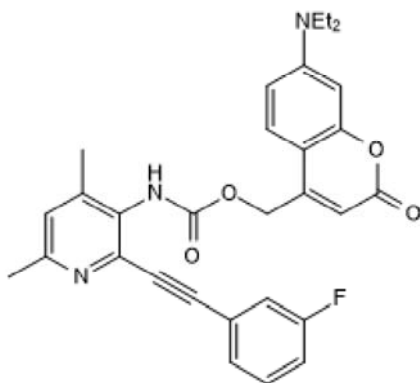
Batch Molecular Formula: C<sub>30</sub>H<sub>28</sub>FN<sub>3</sub>O<sub>4</sub>·H<sub>2</sub>O

Batch Molecular Weight: 531.58

Physical Appearance: Pale yellow solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**CAUTION** - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

**Solubility & Usage Info:**

DMSO to 100 mM

ethanol to 10 mM with gentle warming

**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:**

Font *et al* (2017) Optical control of pain *in vivo* with a photoactive mGlu5 receptor negative allosteric modulator. *eLIFE* **6** e23545. PMID: 28395733.

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