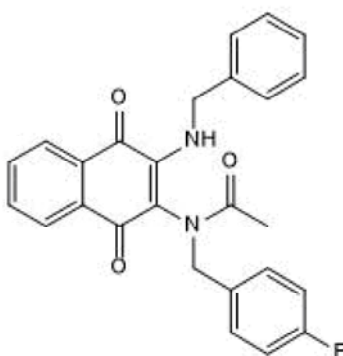


**Product Name:** RIPGBM  
CAS Number: 355406-76-7

**Catalog No.:** 6892      **Batch No.:** 1

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>26</sub>H<sub>21</sub>FN<sub>2</sub>O<sub>3</sub>  
**Batch Molecular Weight:** 428.46  
**Physical Appearance:** Orange solid  
**Solubility:** DMSO to 10 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 98.9% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	72.89	4.94	6.54
Found	72.85	4.95	6.48

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

**Product Name:** RIPGBM

**Catalog No.:** 6892

**Batch No.:** 1

CAS Number: 355406-76-7

**Description:**

RIPK2 modulator, pro-drug of cRIPGM. cRIPGM binds RIPK2 (apparent  $K_d = 2.3 \mu\text{M}$ ). Selectively induces apoptosis in glioblastoma multiforme cancer stem cell lines ( $EC_{50}$  is  $<500 \text{ nM}$ ). Five-fold selective for CSCs compared with control cell types. Reduces the formation of a prosurvival RIPK2/ TAK1 complex and increases the formation of a proapoptotic RIPK2/caspase 1 complex. Inhibits tumour formation and growth in vivo. Orally bioavailable and brain penetrant.

**Physical and Chemical Properties:**

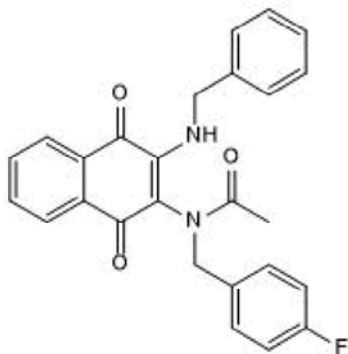
Batch Molecular Formula:  $\text{C}_{26}\text{H}_{21}\text{FN}_2\text{O}_3$

Batch Molecular Weight: 428.46

Physical Appearance: Orange solid

**Minimum Purity:**  $\geq 98\%$

**Batch Molecular Structure:**



**References:**

Lucki *et al* (2019) A cell type-selective apoptosis-inducing small molecule for the treatment of brain cancer. *Proc.Natl.Acad.Sci.USA*. **116** 6435. PMID: 30846550.

**Storage:** Store at  $-20^\circ\text{C}$

**Solubility & Usage Info:**

DMSO to 10 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  $45\text{-}60^\circ\text{C}$  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  $-20^\circ\text{C}$  or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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