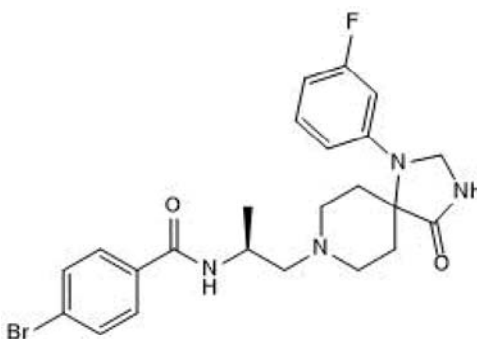


**Product Name:** ML 299  
CAS Number: 1426916-00-8

**Catalog No.:** 4894 **Batch No.:** 1

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>23</sub>H<sub>26</sub>BrFN<sub>4</sub>O<sub>2</sub>.  
**Batch Molecular Weight:** 489.39  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.7% purity  
**Chiral HPLC:** Shows 100.0% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	56.45	5.36	11.45
Found	56.36	5.37	11.41

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

**Product Name:** ML 299

**Catalog No.:** 4894

**Batch No.:** 1

CAS Number: 1426916-00-8

**Description:**

ML 299 is a selective allosteric modulator and potent inhibitor of phospholipases D1 and D2 (IC<sub>50</sub> values are 6 and 12 nM, respectively). ML 299 decreases invasive migration in glioblastoma cells and increases caspase 3/7 activity in serum-free conditions. ML 299 is non-cytotoxic, active in vivo and CNS penetrant.

**Physical and Chemical Properties:**

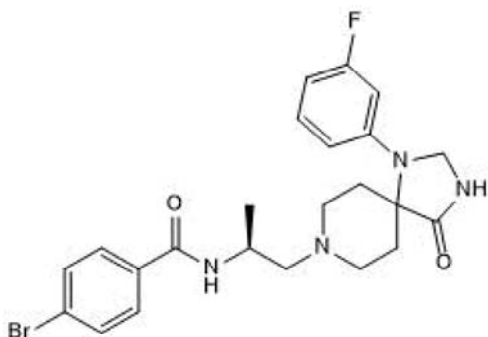
Batch Molecular Formula: C<sub>23</sub>H<sub>26</sub>BrFN<sub>4</sub>O<sub>2</sub>.

Batch Molecular Weight: 489.39

Physical Appearance: White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**References:**

O'Reilly *et al* (2013) Development of dual PLD1/2 and PLD2 selective inhibitors from a common 1,3,8-triazaspiro[4.5]decane core: discovery of ML298 and ML299 that decrease invasive migration in U87-MG glioblastoma cells. *J.Med.Chem.* **56** 2695. PMID: 23445448.

**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 100 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.

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