

**Product Name:** TMN 355

**Catalog No.:** 4152

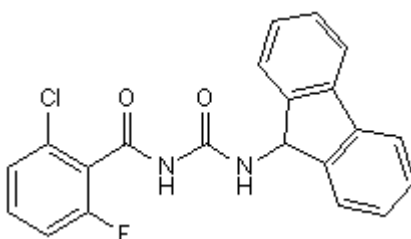
**Batch No.:** 1

CAS Number: 1186372-20-2

IUPAC Name: 2-Chloro-N-[(9H-fluoren-9-ylamino)carbonyl]-6-fluorobenzamide

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>21</sub>H<sub>14</sub>ClFN<sub>2</sub>O<sub>2</sub>  
**Batch Molecular Weight:** 380.8  
**Physical Appearance:** Off-white solid  
**Solubility:** DMSO to 40 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.2 (Ethyl acetate:Petroleum ether [1:4])  
**HPLC:** Shows 98.2% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon Hydrogen Nitrogen		
Theoretical	66.24	3.71	7.36
Found	66.13	3.66	7.5

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

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**Description:**

Potent cyclophilin A inhibitor (IC<sub>50</sub> = 1.52 nM). Approximately 27 times more potent than cyclosporin A (Cat. No. 1101).

**Physical and Chemical Properties:**

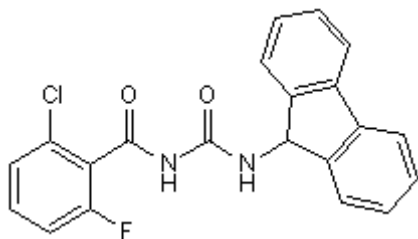
Batch Molecular Formula: C<sub>21</sub>H<sub>14</sub>ClFN<sub>2</sub>O<sub>2</sub>

Batch Molecular Weight: 380.8

Physical Appearance: Off-white solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at RT

**Solubility & Usage Info:**

DMSO to 40 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:**

Ni *et al* (2009) Discovering potent small molecule inhibitors of cyclophilin A using de novo drug design approach. *J.Med.Chem.* **52** 5295. PMID: 19691347.

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