

**Product Name:** XY1

**Catalog No.:** 5450

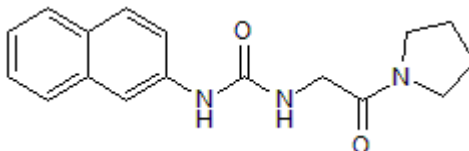
**Batch No.:** 1

CAS Number: 1624117-53-8

IUPAC Name: *N*-2-Naphthalenyl-*N*-[2-oxo-2-(1-pyrrolidinyl)ethyl]urea

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>17</sub>H<sub>19</sub>N<sub>3</sub>O<sub>2</sub>  
**Batch Molecular Weight:** 297.35  
**Physical Appearance:** Off White solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.4% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	68.67	6.44	14.13
Found	68.57	6.47	14.26

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

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**Description:**

Negative control of SGC 707 (Cat. No. 5367). Exhibits >3000-fold lower potency (IC<sub>50</sub> >100 μM) compared to the active analog.

**Physical and Chemical Properties:**

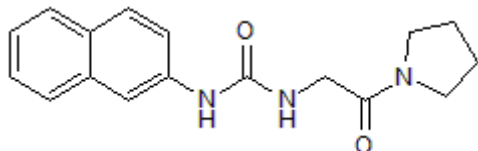
Batch Molecular Formula: C<sub>17</sub>H<sub>19</sub>N<sub>3</sub>O<sub>2</sub>

Batch Molecular Weight: 297.35

Physical Appearance: Off White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at +4°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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