

Product Name: XY1

Catalog No.: 5450

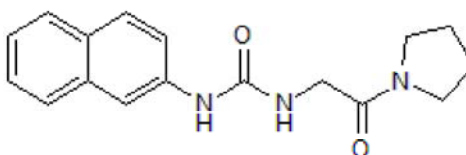
Batch No.: 1

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: C₁₇H₁₉N₃O₂
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 99.2% purity
¹H 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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CAS Number: 1624117-53-8

IUPAC Name: N-2-Naphthalenyl-N'-[2-oxo-2-(1-pyrrolidiny)ethyl]urea

Description:

Negative control of SGC 707. Exhibits >3000-fold lower potency (IC₅₀ >100 μM) compared to the active analog. Active Analog also available.

Physical and Chemical Properties:

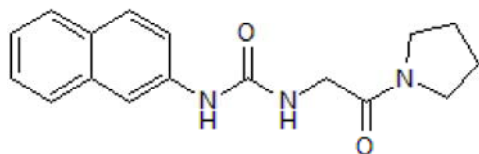
Batch Molecular Formula: C₁₇H₁₉N₃O₂

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.

Licensing Information:

This compound is supplied in conjunction with the Structural Genomics Consortium. For further characterization details, please visit the SGC 707 probe summary on the SGC website.

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