

Product Name: SPOP-i-61c

Catalog No.: 7498

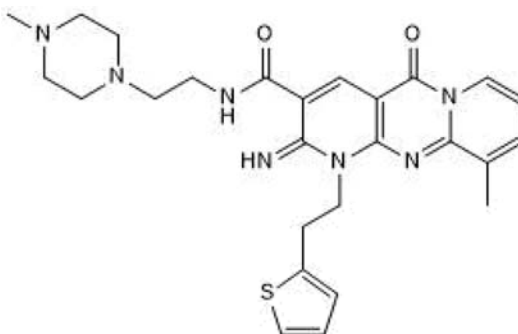
Batch No.: 1

CAS Number: 2136270-56-7

IUPAC Name: 1,5-Dihydro-2-imino-10-methyl-N-[2-(4-methyl-1-piperazinyl)ethyl]-5-oxo-1-[2-(2-thienyl)ethyl]-2H-dipyrido [1,2-a:2',3'-d]pyrimidine-3-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₆H₃₁N₇O₂S.
Batch Molecular Weight: 505.64
Physical Appearance: Yellow solid
Solubility: ethanol to 5 mM
DMSO to 10 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.0% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	61.76	6.18	19.39
Found	61.33	6.21	19.36

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

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Product Name: SPOP-i-6lc

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Description:

SPOP-i-6lc is a selective SPOP E3 ubiquitin ligase inhibitor (IC_{50} = 2.1 μ M and 3.5 μ M, in A498 and OS-RC-2 cell lines, respectively). In vitro, SPOP-i-6lc suppresses viability and proliferation of A498 and OS-RC-2 kidney cancer cell lines. SPOP-i-6lc leads to the accumulation of tumor suppressors PTEN and DUSP7 and decreased levels of phosphorylated AKT and ERK in clear-cell renal cell carcinoma (ccRCC) cell lines.

Physical and Chemical Properties:

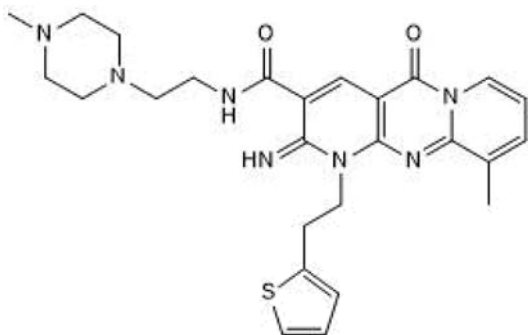
Batch Molecular Formula: $C_{26}H_{31}N_7O_2S$.

Batch Molecular Weight: 505.64

Physical Appearance: Yellow solid

Minimum Purity: $\geq 98\%$

Batch Molecular Structure:



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

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

ethanol to 5 mM

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

References:

Dong *et al* (2020) Structure-activity relationship of SPOP inhibitors against kidney cancer. *J.Med.Chem.* **63** 4849. PMID: 32297747.

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