Certificate of Analysis

Product Name: **UNC 2399** **Catalog No.: 4930** **Batch No.: 1**

CAS Number: 2412791-72-9

IUPAC Name: 1-Isopropyl-*N*-[(6-methyl-2-oxo-4-propyl-1,2-dihydropyridin-3-yl)methyl]-6-[6-[4-[41-oxo-45-[(3a*S*,4a*S*,6a*R*)-2-oxohexahydro-1*H*-thieno[3,4-*d*]imidazol-4-yl]-4,7,10,13,16,19,22,25,28,31,34,37-dodecaoxa-40-azapentatetracontan-1oyl]piperazin-1-yl]pyridin-3-yl]-1*H*-indazole-4-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{67}H_{104}N_{10}O_{17}S$

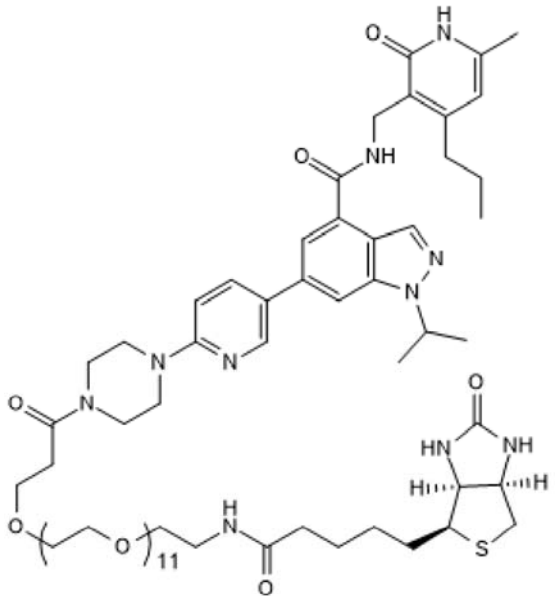
Batch Molecular Weight: 1353.66

Physical Appearance: Off White lyophilised solid

Solubility: DMSO to 10 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.6 (Dichloromethane:Methanol [9:1])

HPLC: Shows 97% purity

^{1}H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

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Description:

UNC 2399 is a biotinylated UNC 1999 (Cat.No. 4904, IC_{50} = 17 nM). Enriches lysine methyltransferase EZH2 from HEK293T cells. Negative control also avilable.

Physical and Chemical Properties:

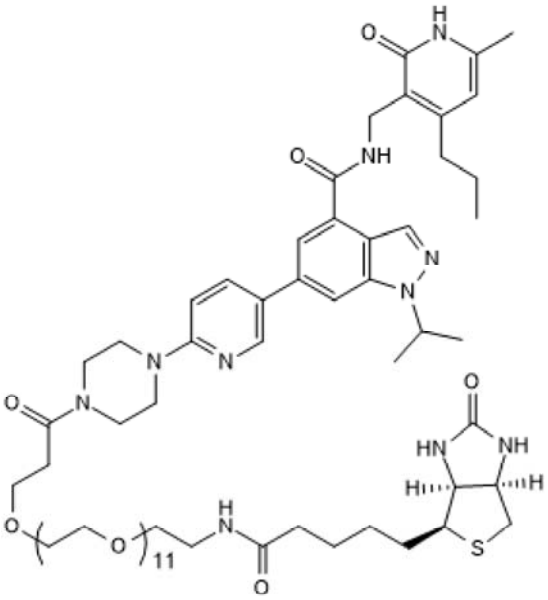
Batch Molecular Formula: $C_{67}H_{104}N_{10}O_{17}S$

Batch Molecular Weight: 1353.66

Physical Appearance: Off White lyophilised solid

Minimum Purity: ≥95%

Batch Molecular Structure:



Storage: Store at -20°C. This product is packaged under an inert atmosphere.

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:

DMSO to 10 mM

This product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

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 UNC 1999 probe summary on the SGC website.

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