

Product Name: UNC 2400

Catalog No.: 4905

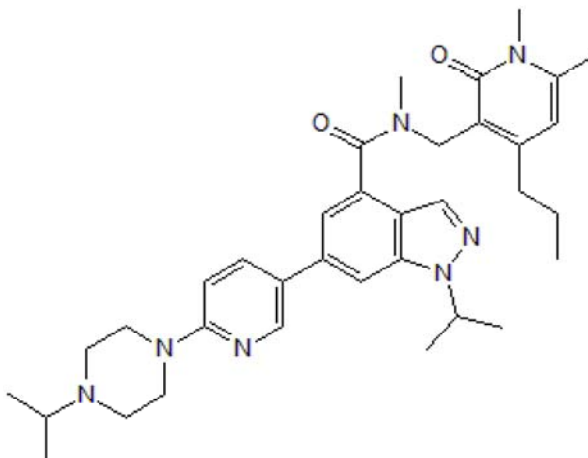
Batch No.: 2

CAS Number: 1433200-49-7

IUPAC Name: *N*-[(1,2-Dihydro-1,6-dimethyl-2-oxo-4-propyl-3-pyridinyl)methyl]-*N*-methyl-1-(1-methylethyl)-6-[6-[4-(1-methylethyl)-1-piperazinyl]-3-pyridinyl]-1*H*-indazole-4-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₃₅ H ₄₇ N ₇ O ₂ ·½H ₂ O
Batch Molecular Weight:	606.8
Physical Appearance:	Off White solid
Solubility:	DMSO to 100 mM 1eq. HCl to 100 mM
Storage:	Store at +4°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

TLC:	R _f = 0.25 (Dichloromethane:Methanol [95:5])
HPLC:	Shows >99.2% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure
Microanalysis:	

	Carbon	Hydrogen	Nitrogen
Theoretical	69.28	7.97	16.16
Found	69.28	7.92	15.92

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

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Description:

Negative control of UNC 1999. Exhibits 1000-fold lower potency than active analog (IC₅₀ values are 62 and >200 μM for EZH1 and EZH2, respectively). Active Analog also available.

Physical and Chemical Properties:

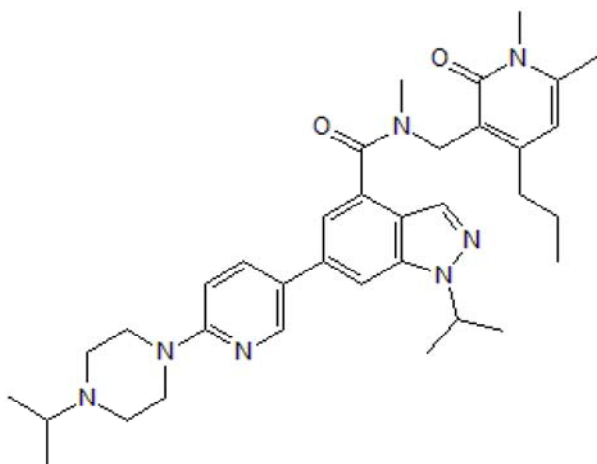
Batch Molecular Formula: C₃₅H₄₇N₇O₂·½H₂O

Batch Molecular Weight: 606.8

Physical Appearance: Off White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM
1eq. HCl 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 UNC 1999 probe summary on the SGC website.

References:

Xu et al (2015) Selective inhibition of EZH2 and EZH1 enzymatic activity by a small molecule suppresses MLL-rearranged leukemia. *Blood* **125** 346. PMID: 25395428.

Konze et al (2013) An orally bioavailable chemical probe of the lysine methyltransferases EZH2 and EZH1. *ACS Chem.Biol.* **8** 1324. PMID: 23614352.

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