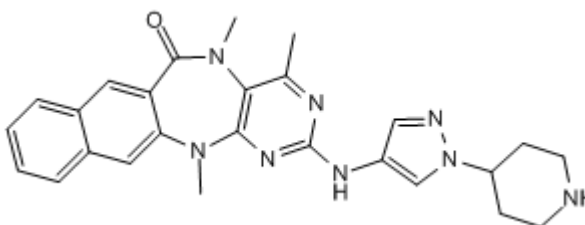


Product Name: HTH 01-015 **Catalog No.:** 5622 **Batch No.:** 1
CAS Number: 1613724-42-7
IUPAC Name: 5,13-Dihydro-4,5,13-trimethyl-2-[[1-(4-piperidinyl)-1H-pyrazol-4-yl]amino]-6H-naphtho[2,3-e]pyrimido[5,4-b][1,4]diazepin-6-one

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₆H₂₈N₈O.1½H₂O
Batch Molecular Weight: 495.57
Physical Appearance: Beige solid
Solubility: DMSO to 100 mM
 ethanol to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.3% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	63.01	6.3	22.61
Found	62.71	6	22.35

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Description:

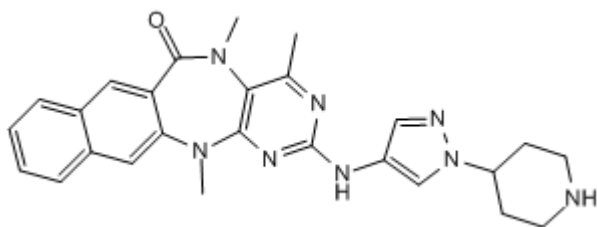
Potent and selective NUA1 inhibitor (IC₅₀ = 100 nM). Exhibits no significant inhibition against a panel of 139 kinases, including ten AMPK family members. Inhibits NUA1-mediated MYPT1 phosphorylation. Also inhibits cell proliferation in U2OS cells in vitro, to a similar extent as NUA1 knockdown models.

Physical and Chemical Properties:

Batch Molecular Formula: C₂₆H₂₈N₈O.1½H₂O
 Batch Molecular Weight: 495.57
 Physical Appearance: Beige solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Banerjee et al (2014) Characterization of WZ4003 and HTH-01-015 as selective inhibitors of the LKB1-tumour-suppressor-activated NUA1 kinases. *Biochem J.* **457** 215. PMID: 24171924.

Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM
 ethanol 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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