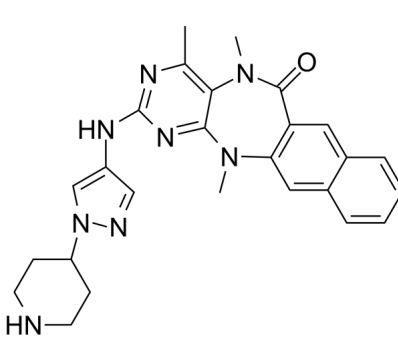


Certificate of Analysis

Catalog Number	BP13923
Product Name	HTH-01-015

Physical and Chemical Properties

CAS No.	1613724-42-7
Chemical Formula	C ₂₆ H ₂₈ N ₈ O
Molecular Weight	468.565
Solubility	DMSO: 54 mg/mL (115.2 mM) H ₂ O: <1 mg/mL; Ethanol: 28 mg/mL (59.8 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p>The chemical structure of HTH-01-015 is a complex molecule. It features a central pyrimidine ring system. One nitrogen atom of the pyrimidine is substituted with a 4-(4-aminocyclohexyl)phenyl group. Another nitrogen atom is substituted with a 1-methyl-2-oxo-1,2,3,4-tetrahydroquinolin-5-yl group. The third nitrogen atom is substituted with a 1-methyl-2-oxo-1,2,3,4-tetrahydroquinolin-5-yl group. The fourth nitrogen atom is substituted with a 1-methyl-2-oxo-1,2,3,4-tetrahydroquinolin-5-yl group.</p>

Product Information

Description	HTH-01-015 is a selective NUA1 inhibitor (IC ₅₀ =100 nM).
Targets&IC ₅₀	NUAK1:100 nM

In vitro	In HEK-293 cells express NUA1 as well as NUA2, HTH-01-015 suppresses NUA1-mediated MYPT1 phosphorylation. HTH-01-015 suppresses cell migration In NUA1+/+ MEFs, and inhibit U2OS cell invasion. Moreover, HTH-01-015 inhibits cell proliferation in both cell lines. HTH-01-015 inhibitors markedly restricted cells from entering into mitosis in U2OS cells.
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Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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