

**PRODUCT:****HTH-01-015****ALTERNATE NAME:**

4,5,13-trimethyl-2-((1-(piperidin-4-yl)-1H-pyrazol-4-yl)amino)-5H-naphtho[2,3-e]pyrimido[5,4-b][1,4]diazepin-6(13H)-one

**CATALOG #:**

2887-5, 25

**AMOUNT:**

5 mg, 25 mg

**STRUCTURE:****MOLECULAR FORMULA:**

C<sub>26</sub>H<sub>28</sub>N<sub>6</sub>O

**MOLECULAR WEIGHT:**

468.55

**CAS NUMBER:**

1613724-42-7

**APPEARANCE:**

Crystalline solid

**SOLUBILITY:**

DMSO

**PURITY:**

≥98% by HPLC

**STORAGE:**

Store at -20 °C. Protect from air and light

**DESCRIPTION:**

HTH-01-015 is a potent and selective inhibitor of NUAK1 kinase (IC<sub>50</sub> = 100 nM); only weakly inhibits NUAK2 (IC<sub>50</sub> of >10 μM) and does not significantly inhibit the activity of 139 other kinases that were tested including ten AMPK family members.

**REFERENCES:**

Banerjee, S., *et al.* (2014). *Biochem. J.* **457**, 215-225.

**HANDLING:**

Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

AMPK Activator, D942 (Cat. No. 2341-1,5)

A-769662 (Cat. No. 1719-5)

AICAR (Cat. No. 1687-50, 250)

EZSolution™ AICAR (Cat. No. 2344-50)

Codycepin (Cat. No. 2078-10, 50)

Dorsomorphin (Cat. No. 1686-5)

Dorsomorphin dhydrochloride (Cat. No. 2835-5, 25)

EZSolution™ Dorsomorphin (Cat. No. 2547-5)

Phenformin hydrochloride (Cat. No. 1889-100, 1000)

**USAGE:**

**FOR RESEARCH CH USE ONLY! Not to be used in humans**