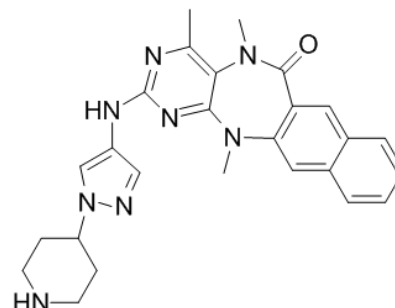


Product Name : HTH-01-015
Cat. No. : PC-42982
CAS No. : 1613724-42-7
Molecular Formula : C₂₆H₂₈N₈O
Molecular Weight : 468.5535
Target : AMPK
Solubility : 10 mM in DMSO



Biological Activity

HTH-01-015 is a potent, specific **NUAK1** (AMPK-related kinase 5, ARK5) inhibitor with IC₅₀ of 100 nM, displays >100-fold higher potency than NUAK2.

HTH-01-015 also does not markedly suppress the activity of any of the other 139 protein kinases, including AMPK.

HTH-01-015 suppresses NUAK1-mediated MYPT1 phosphorylation in vivo, the NUAK1 mutation (A195T) renders resistant to HTH-01-015.

HTH-01-015 significantly inhibits migration the proliferation of MEFs (mouse embryonic fibroblasts).

References

Banerjee S, et al. *Biochem J.* 2014 Jan 1;457(1):215-25.

Banerjee S, et al. *Biochem J.* 2014 Jul 15;461(2):233-45.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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