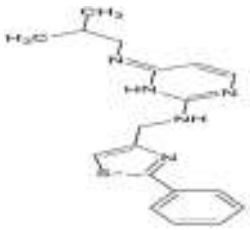
KHS-101

ALTERNATE NAME: N4-isobutyl-N2-((2-phenylthiazol-4-yl)methyl)pyrimidine-2,4-diamine

CATALOG #: B2415-5 5 mg
B2415-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{18}H_{21}N_5S$

MOLECULAR WEIGHT: 339.46

CAS NUMBER: 1262770-73-9

APPEARANCE: Off-white solid

PURITY: ≥98% by HPLC

SOLUBILITY: >20 mg/ml DMSO

DESCRIPTION: KHS-101 is a selective inducer of neuronal differentiation. It induces neuronal differentiation in cultured hippocampal neural progenitor cells (NPCs) by interacting with TACC3 (EC50 ~1 μM). Also induces acceleration of neuronal differentiation in the hippocampal dentate gyrus in vivo. Additionally, it disrupts energy metabolism in human glioblastoma cells and reduces tumor growth in mice.

REFERENCES:
Polso, E.S., et al. (2018). Science Translational Medicine Vol. 10, Issue 454, eaar271
Wurdak, H., et al. (2010). Proc. Natl. Acad. Sci. USA 107, 16542-16547

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

RELATED PRODUCTS:

Neuronal Transdifferentiation Modulators Set III (K874)
StemBoost™ Neuronal Cell Induction Cocktail Set (100X), Sterile-Filtered (K891)
Neuronal Transdifferentiation Modulators Set IV (K875)
Neuronal Transdifferentiation Modulators Set I (K872)
Neuronal Transdifferentiation Modulators Set II (K873)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***