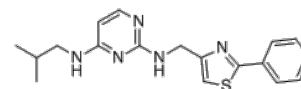


Product Name : KHS101
Cat. No. : PC-62044
CAS No. : 1262770-73-9
Molecular Formula : C₁₈H₂₁N₅S
Molecular Weight : 339.46
Target : HIF/HIF Prolyl-hydroxylase
Solubility : 10 mM in DMSO



Biological Activity

KHS101 (KHS-101) is a small molecule that selectively induces a neuronal differentiation phenotype, induces neuronal differentiation in cultured hippocampal neural progenitor cells (NPCs) by interacting with **TACC3** (EC₅₀=1 μM). KHS101 works indirectly on **HIF complex** formation by destabilizing both TACC3 and the HIF component HIF-1α, decreases TACC3 levels in cells and regulates HIF gene expression. KHS101 significantly increases neuronal differentiation in rats in vivo.

References

- Wurdak H, et al. *Proc Natl Acad Sci U S A*. 2010 Sep 21;107(38):16542-7.
Guo Y, et al. *ACS Chem Biol*. 2013 Mar 15;8(3):626-35.

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

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