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DATASHEET

PNU 74654

Product overview

Name	PNU 74654
Cat No	HB0528
Biological action	Inhibitor
Purity	>99%
Description	β -catenin inhibitor. Wnt pathway inhibitor. Promotes neural differentiation of hPSCs.

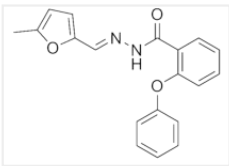
Biological Data

Biological description	β -catenin inhibitor ($K_d = 450$ nM). Blocks the interaction with T cell factor (TCF). Inhibits the Wnt/ β -catenin pathway.
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Solubility & Handling

Storage instructions	+4 °C
Solubility overview	Soluble in DMSO (100mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	2-Phenoxybenzoic acid-[(5-methyl-2-furanyl)methylene]hydrazide
Molecular Weight	320.34
Chemical structure	
Molecular Formula	C ₁₉ H ₁₆ N ₂ O ₃
CAS Number	113906-27-7
PubChem identifier	60119583
SMILES	CC1=CC=C(O1)C=NNC(=O)C2=CC=CC=C2OC3=CC=CC=C3
InChiKey	JJEDWBQZCRESJL-DEDYPNTBSA-N

References

Characterization of differential gene expression in adrenocortical tumors harboring beta-catenin (CTNNB1) mutations.

Durand J *et al* (2011) J Clin Endocrinol Metab 96(7)

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Inhibition of protein-protein interactions: the discovery of druglike beta-catenin inhibitors by combining virtual and biophysical screening.

Trosset JY *et al* (2006) Proteins 64(1)

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Reaching for high-hanging fruit in drug discovery at protein-protein interfaces.

Wells JA *et al* (2007) Nature 450(7172)

PubMedID 18075579
