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DATASHEET

WIKI4

Product overview

Name	WIKI4
Cat No	HB0657
Biological action	Inhibitor
Purity	>98%
Description	Potent tankyrase inhibitor. Wnt signaling inhibitor.

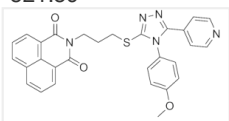
Biological Data

Biological description	Potent tankyrase (TNKS) inhibitor (IC ₅₀ values are 15 and 26 nM for TNKS2 and TNKS1 respectively). Inhibits the auto-ADP-ribosylation of tankyrase and Wnt/β-catenin signaling in cancer cell lines and embryonic stem cells (EC ₅₀ = 75 nM).
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Solubility & Handling

Storage instructions	-20 °C
Solubility overview	Soluble in DMSO (20mM)
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-[3-[[4-(4-Methoxyphenyl)-5-(4-pyridinyl)-4H-1,2,4-triazol-3-yl]thio]propyl]-1H-benz[de]isoquinoline-1,3(2H)-dione
Molecular Weight	521.59
Chemical structure	
Molecular Formula	C ₂₉ H ₂₃ N ₅ O ₃ S
CAS Number	838818-26-1
PubChem identifier	2984337
SMILES	<chem>O=C(C5=C4C(C6=O)=CC=CC4=CC=C5)N6CCCSC1=NN=C(C3=CC=NC=C3)N1C2=CC=C(OC)C=C2</chem>
InChIKey	RNUXIZKXJOGYQP-UHFFFAOYSA-N

References

WIKI4, a novel inhibitor of tankyrase and Wnt/β-catenin signaling.

James RG *et al* (2012) PLoS One 7(12)

PubMedID [23227175](#)

Structural basis and selectivity of tankyrase inhibition by a Wnt signaling inhibitor WIKI4.

Haikarainen T *et al* (2013) PLoS One 8(6)

