

Hello Bio, Inc.  
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500  
F. 609-228-4994

customercare-usa@hellobio.com



## DATASHEET

WIKI4

### Product overview

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

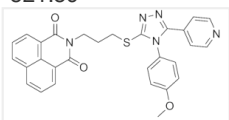
### Biological Data

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

<b>Storage instructions</b>	-20 °C
<b>Solubility overview</b>	Soluble in DMSO (20mM)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	2-[3-[[4-(4-Methoxyphenyl)-5-(4-pyr idinyl)-4H-1,2,4-triazol-3-yl]thio]propyl]-1H-benz[de]isoquinoline-1,3(2H)-dione
<b>Molecular Weight</b>	521.59
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>29</sub> H <sub>23</sub> N <sub>5</sub> O <sub>3</sub> S
<b>CAS Number</b>	838818-26-1
<b>PubChem identifier</b>	2984337
<b>SMILES</b>	<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>
<b>InChiKey</b>	RNUXIZKXJOGYQP-UHFFFAOYSA-N

### References

#### WIKI4, a novel inhibitor of tankyrase and Wnt/ $\beta$ -catenin signaling.

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

**PubMedID** [23227175](https://pubmed.ncbi.nlm.nih.gov/23227175/)

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

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

