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## DATASHEET

IWP 4

### Product overview

<b>Name</b>	IWP 4
<b>Cat No</b>	HB3066
<b>Biological action</b>	Inhibitor
<b>Purity</b>	>98%
<b>Description</b>	Potent Wnt/ $\beta$ -catenin signaling inhibitor. Induces cardiomyocyte differentiation of hESCs and iPSCs.

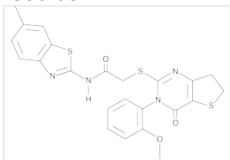
### Biological Data

<b>Biological description</b>	IWP4 is a potent Wnt/ $\beta$ -catenin signaling inhibitor.  It is used in stem cell research to induce cardiomyocyte differentiation of hESCs and iPSCs. It may also be used in the production of cardiac organoids.
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### Solubility & Handling

<b>Storage instructions</b>	-20 °C
<b>Solubility overview</b>	Soluble in water (10mM)
<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>	<i>N</i> -[2-[[[3-(4-Chlorophenyl)-2-propenyl]methylamino]methyl]phenyl]- <i>N</i> -(2-hydroxyethyl)-4-methoxybenzenesulphonamide phosphate
<b>Molecular Weight</b>	599.03
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>26</sub> H <sub>29</sub> ClN <sub>2</sub> O <sub>4</sub> S.H <sub>3</sub> PO <sub>4</sub>
<b>CAS Number</b>	1188890-41-6
<b>PubChem identifier</b>	2155264
<b>SMILES</b>	O=C1C3=C(CCS3)N=C(SCC(NC4=NC(C=CC(C)=C5)=C5S4)=O)N1C2=C(OC)C=CC=C2
<b>InChiKey</b>	RHUJMHQIQBDFQR-UHFFFAOYSA-N