

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

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

customercare-usa@hellobio.com



DATASHEET

IWP 4

Product overview

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

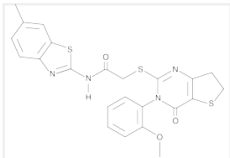
Biological Data

Biological description	IWP4 is a potent Wnt/ β -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

Solubility overview	Soluble in water (10mM)
Storage instructions	-20 °C
Storage of solutions	Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.
Shipping Conditions Important	Stable for ambient temperature shipping. Follow storage instructions on receipt. 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	<i>N</i> -[2-[[[3-(4-Chlorophenyl)-2-propenyl]methylamino]methyl]phenyl]- <i>N</i> -(2-hydroxyethyl)-4-methoxybenzenesulphonamide phosphate
Molecular Weight	599.03
Chemical structure	
Molecular Formula	C ₂₆ H ₂₉ ClN ₂ O ₄ S.H ₃ PO ₄
CAS Number	1188890-41-6
PubChem identifier	2155264
SMILES	O=C1C3=C(CCS3)N=C(SCC(NC4=NC(C=CC(C)=C5)=C5S4)=O)N1C2=C(OC)C=CC=C2
InChiKey	RHUJMHQIBDFQR-UHFFFAOYSA-N