

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

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

customercare-usa@m2stage.hellobio.com



## 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. |

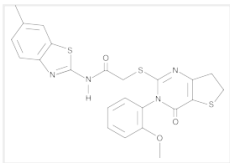
### Biological Data

|                               |                                                                                                                                                                                                                             |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Biological description</b> | IWP4 is a potent Wnt/ $\beta$ -catenin signaling inhibitor.<br><br>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. |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 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-propen yl]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>             | <chem>O=C1C3=C(CCS3)N=C(SCC(NC4=NC(C=CC(C)=C5)=C5S4)=O)N1C2=C(OC)C=CC=C2</chem>                                                              |
| <b>InChiKey</b>           | RHUJMH0IQBDFQR-UHFFFAOYSA-N                                                                                                                  |