



# Data Sheet

Research Use Only

## Compound Name

IWP-2

## Catalog Number

SM39

## Alternative Names

Inhibitor of WNT Production-2, N-(6-methyl-2-benzothiazolyl)-2-[(3,4,6,7-tetrahydro-4-oxo-3-phenylthieno[3,2-d]pyrimidin-2-yl)thio]-acetamide

## Activity

IWP-2 is an inhibitor of Wnt processing and secretion. It appears that IWP inactivates Porcn function either by directly inhibiting the Porcn active site or by modulating the function of a Porcn regulator.

## Effect

IWP-2 promotes cardiomyocyte differentiation from human pluripotent stem cells. This small molecule also suppresses self-renewal in mouse embryonic stem cells and supports their conversion to epiblast-like stem cells.

## Purity

>98%

## CAS

686770-61-6

## Formula

$C_{22}H_{18}N_4O_2S_3$

## Molecular Weight

466.6

## Solubility

DMSO

## Stability

Stable at -20°C. Keep away from direct sunlight.

## References

1. ten Berge, D., et al. 2011. Nat Cell Biol. 13(9): 1070-1075. PMID: 21841791
2. Chen, B., et al. 2009. Nat Chem Biol. 5(2): 100-107. PMID: 19125156