Cat No. 57-G89

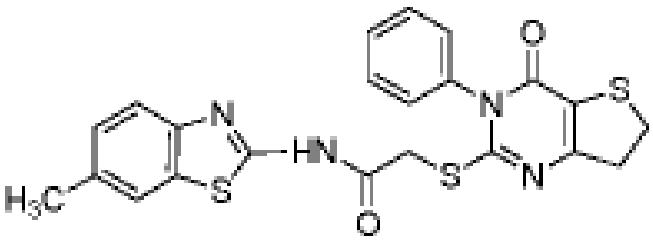
IWP-2

2mg

For research purposes only

IWP-2 is an inhibitor of Wnt production and an inactivator of Porcn function. The Wnt/b-catenin pathway maintains transcriptional programs that enable stem cells to remain multipotent and hyperactivation of this pathway leads to disease stage. IWP-2 inactivates Porcn function by either directly inhibiting the Porcn active site or by modulating the function of the Porcn regulator. IWP-2 has shown to be useful in regenerative medicine and anti-cancer studies.

TECHNICAL INFORMATION



Other Names: N-(6-Methyl-2-benzothiazolyl)-2-[(3,4,6,7-tetrahydro-4-oxo-3-phenylthieno[3,2-d] pyrimidin-2-yl)thio]-acetamide

Chemical Formula: $C_{22}H_{18}N_4O_2S_3$

CAS Number: 686770-61-6

Molecular Weight: 466.60

Purity: >98%

Appearance: White Powder

Solubility: DMSO

STORAGE AND HANDLING

Storage: Store at 4°C and protected from light. Following reconstitution, store aliquots at -20°C.

Stability: Stock solutions stable at -20°C for up to 2 years.

Shipping Conditions: Shipped at room temperature.

PRODUCT USE

Soluble in DMSO. For a 5mM concentrated stock solution, reconstitute the compound by adding 858 µl of DMSO to the entire contents of the vial. For most cells, the maximum tolerance to DMSO is <0.5%.

REFERENCES

1. Chen et al. (2009) Small molecule–mediated disruption of Wnt-dependent signaling in tissue regeneration and cancer. Nature Chem Biol. 5:100-107.