

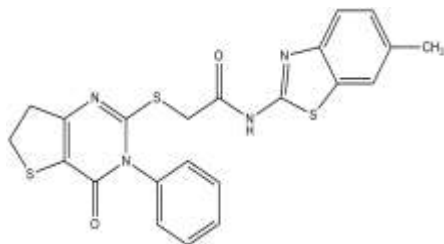
IWP-2

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

CATALOG #: 1962-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₂H₁₈N₄O₃S₃

MOLECULAR WEIGHT: 466.60

CAS NUMBER: 686770-61-6

APPEARANCE: Beige solid

SOLUBILITY: DMSO (~5 mg/ml with warming)

PURITY: ≥98% by TLC

STORAGE: Store at -20 °C. Protect from light and air

DESCRIPTION: Cell-permeable. Acts as an inhibitor of Wnt secretion and processing. It blocks Wnt-dependent signaling (IC₅₀ = 27nM) by inhibition of the O-acyltransferase Porcn. Porcn is a member of the membrane-bound O-acyltransferase (MBOAT) family, which adds a palmitoyl group to Wnt proteins that is essential to their signaling ability and is required for Wnt secretion.

REFERENCE: Chen, B., *et al.* (2009). *Nature Chem. Biol.* **5**, 100-107.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- CRT Inhibitor, iCRT5 (Cat. No. 1896-5, 25)
- IQ-1 (Cat. No. 1663-1)
- QS-11 (Cat. No. 1680-5)
- XAV939 (Cat. No. 1727-1)