

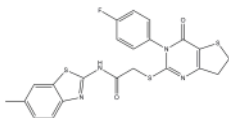
PRODUCT: IWP-3

ALTERNATE NAME: Inhibitor of Wnt Production-3; 2-[[3-(4-fluorophenyl)-3,4,6,7-tetrahydro-4-oxothieno[3,2-d]pyrimidin-2-yl]thio]-N-(6-methyl-2-benzothiazolyl)-acetamide

CATALOG #: 2349-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₂H₁₇FN₄O₂S₃

MOLECULAR WEIGHT: 484.59

CAS NUMBER: 687561-60-0

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (~2 mg/ml on warming)

PURITY: ≥98%

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

DESCRIPTION: An inhibitor of Wnt production. Blocks Wnt pathway activity in vitro (IC₅₀= 40 nM). IWP-3 inactivates Porcupine (Porc), a membrane-bound O-acyltransferase responsible for palmitoylating Wnt proteins, which is essential for their signaling ability and secretion. Through blockade of Wnt signaling, IWP-3 has been used to promote cardiomyocyte generation from human embryonic stem cells (EC₅₀ = 1.2 μM).

REFERENCE: Willems, E., *et al.* (2011). *Circ. Res.* **109**, 360-364

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

RELATED PRODUCTS:

CRT Inhibitor, iCRT5 (Cat. No. 1896-5, 25)

ICG-001 (Cat. No. 2275-5, 25)

IQ-1 (Cat. No. 1663-1)

IWP-2 (Cat. No. 1962-5, 25)

KY02111 (Cat. No. 2264-5, 25)

QS-11 (Cat. No. 1680-5)

Wnt antagonist, C59 (Cat. No. 2063-1, 5)

Wnt-1 Antibody (Cat. No. 3571-100)

Wnt-1 Antibody (Cat. No. 5754-100)

Wnt-1, human recombinant (Cat. No. 4754-10, 5-0, 1000)

Wnt-2 Antibody (Cat. No. 3572R-100)

Wnt-4 Antibody (Cat. No. 3574R-100)

Wnt-6 Antibody (Cat. No. 3570-100)

XAV939 (Cat. No. 1727-1)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**