

IWP-3

Cat. No. CEI-0615

Lot. No. (See product label)

Introduction

Description

An inhibitor of Wnt production. Blocks Wnt pathway activity in vitro (IC₅₀ = 40 nM). IWP-3 inactivates Porcupine (Porcn), 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).

Synonyms

Inhibitor of Wnt Production-3

Product Information

Appearance

Off-white solid

CAS No.

687561-60-0

Molecular Formula

C₂₂H₁₇FN₄O₂S₃

Chemical Name

2-[[3-(4-fluorophenyl)-3,4,6,7-tetrahydro-4-oxothieno[3,2-d]pyrimidin-2-yl]thio]-N-(6-methyl-2-benzothiazolyl)-acetamide

Molecular Weight

211.22

Purity

>98%

Targets

phosphatase

Solubility

DMSO (10 mg/ml)

Storage and Shipping Information

Storage

-20 centigrade

Shipping Conditions

Gel pack