

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