

Wnt/ β -catenin-IN-1

Chemical Properties

CAS No. :

Formula: C₂₆H₂₅N₀₇

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Wnt/ β -catenin-IN-1 (compounds 17) is an inhibitor of the Wnt/ β -catenin signaling pathway. It induces apoptosis in colon cancer cells and exhibits broad-spectrum anticancer activity, making it useful for research on various solid tumors.
Targets(IC50)	Wnt/beta-catenin
In vitro	Wnt/ β -catenin-IN-1 (compounds 17) exhibits broad-spectrum anticancer activity at 10 μ M for 48 hours, achieving an average growth inhibition rate of 81.9% across 52 tested tumor cell lines. It shows low cytotoxicity towards normal human cell lines (CCD841, MRC5) and demonstrates selectivity for cancer cells. Moreover, Wnt/ β -catenin-IN-1 induces dose-dependent cell cycle arrest, increasing the population of HCT116 colon cancer cells in the G2/M phase at concentrations of 0, 0.5, 1, and 2 μ M over 24 or 48 hours. Additionally, at 0, 0.5, 1, and 2 μ M for 24 hours, it dose-dependently reduces CDK8 levels in HCT colorectal cancer cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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