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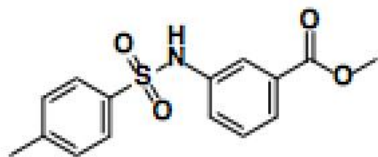
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β -catenin Inhibitor – MSAB

Chemical Name: methyl 3-((4-methylphenyl)sulfonamido)benzoate



Molecular Weight:	305.35
Formula:	C ₁₅ H ₁₅ NO ₄ S
Purity:	≥98%
CAS#:	n/a
Solubility:	DMSO up to 100 mM
Storage	Powder: 4 °C 1 year DMSO: 4 °C 3 months -20 °C 1 year

Biological Activity:

MSAB is a potent and selective Wnt/ β -catenin inhibitor identified using cell-based chemical screening. It binds to β -catenin, promoting its degradation, and specifically downregulates Wnt/ β -catenin target genes. MSAB shows potent anti-tumor effects selectively on Wnt-dependent cancer cells in vitro and in mouse cancer models.

How to Use:

In vitro: MSAB was suggested to be used at 5-10 μ M final concentration in vitro.

In vivo: MSAB was used to dose mice at 10-20 mg/kg by intraperitoneal injection once per day in xenograft model of HCT116, HCT115 and H23 cell lines, and MMTV-Wnt1 transgenic mice.

Reference:

1. Hwang SY, et al. Direct Targeting of β -Catenin by a Small Molecule Stimulates Proteasomal Degradation and Suppresses Oncogenic Wnt/ β -Catenin Signaling. (2016) Cell Rep. 16(1):28-36.

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