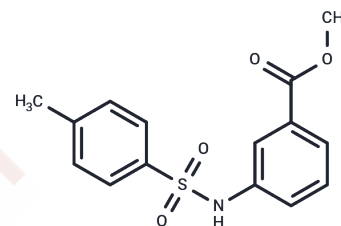


MSAB

Chemical Properties

CAS No. : 173436-66-3
 Formula: C₁₅H₁₅NO₄S
 Molecular Weight: 305.35
 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	MSAB is a selective inhibitor of Wnt/ β -catenin signaling. MSAB binds to β -catenin, promoting its degradation, and specifically downregulates Wnt/ β -catenin target genes.
Targets(IC ₅₀)	Wnt/beta-catenin
In vivo	MSAB act against Wnt/ β -catenin signaling and identified as a selective inhibitor of Wnt/ β -catenin signaling. MSAB shows potent anti-tumor effects selectively on Wnt-dependent cancer cells in vitro and in mouse cancer models. MSAB binds to β -catenin, promoting its degradation, and specifically downregulates Wnt/ β -catenin target genes. might represent an effective therapeutic strategy for cancers addicted to the Wnt/ β -catenin signaling pathway.

Solubility Information

Solubility	DMSO: 247.5 mg/mL (810.55 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.55 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2749 mL	16.3747 mL	32.7493 mL
5 mM	0.655 mL	3.2749 mL	6.5499 mL
10 mM	0.3275 mL	1.6375 mL	3.2749 mL
50 mM	0.0655 mL	0.3275 mL	0.655 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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