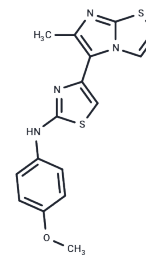


WAY-118959-A

Chemical Properties

CAS No. :	315703-81-2
Formula:	C ₁₆ H ₁₄ N ₄ O ₂ S
Molecular Weight:	342.44
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	WAY-118959-A (GM-90257) is a competitive inhibitor of α TAT1 (α -tubulin acetyltransferase 1) that directly binds to α -tubulin and inhibits microtubule acetylation, attenuates tumor growth in vivo and induces apoptosis of MDA-MB-231.
Targets(IC50)	Apoptosis,Bcl-2 Family, Microtubule Associated,JNK,PARP

Solubility Information

Solubility	DMSO: 11 mg/mL (32.12 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: 1 mg/mL (2.92 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	2.9202 mL	14.6011 mL	29.2022 mL
5 mM	0.584 mL	2.9202 mL	5.8404 mL
10 mM	0.292 mL	1.4601 mL	2.9202 mL
50 mM	0.0584 mL	0.292 mL	0.584 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

Kwon A, et al. Potent Small-Molecule Inhibitors Targeting Acetylated Microtubules as Anticancer Agents Against Triple-Negative Breast Cancer. Biomedicines. 2020 Sep 9;8(9):338.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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