

G244-LM

Chemical Properties

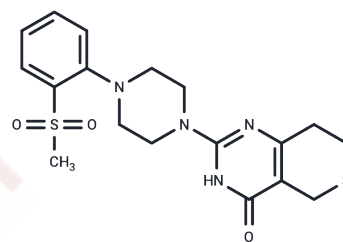
CAS No. : 1563007-08-8

Formula: C₁₈H₂₂N₄O₃S₂

Molecular Weight: 406.52

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	G244-LM, a potent and specific inhibitor of tankyrase 1/2, effectively inhibits Wnt signaling.
Targets(IC50)	PARP,Wnt/beta-catenin
In vitro	G244-LM is a potent and specific small-molecule tankyrase inhibitors, that reduce Wnt/ β -catenin signaling by preventing poly(ADP-ribosyl)ation-dependent AXIN degradation, thereby promoting β -catenin destabilization. The novel tankyrase inhibitors completely block ligand-driven Wnt/ β -catenin signaling in cell culture and display approximately 50% inhibition of APC mutation-driven signaling in most CRC cell lines. It was previously unknown whether the level of AXIN protein stabilization by tankyrase inhibition is sufficient to impact tumor growth in the absence of normal APC activity.

Solubility Information

Solubility	DMSO: 5 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4599 mL	12.2995 mL	24.599 mL
5 mM	0.492 mL	2.4599 mL	4.9198 mL
10 mM	0.246 mL	1.230 mL	2.4599 mL
50 mM	0.0492 mL	0.246 mL	0.492 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

Lau T , Chan E , Callow M , et al. A Novel Tankyrase Small-Molecule Inhibitor Suppresses APC Mutation-Driven Colorectal Tumor Growth[J]. Cancer Research, 2013, 73(10):3132-3144.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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