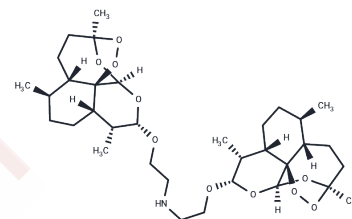


SM1044

Chemical Properties

CAS No. : 1331880-08-0
 Formula: C₃₄H₅₅NO₁₀
 Molecular Weight: 637.80
 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	SM1044 is a dimer of dihydroartemisinin (DHA). It activates caspase, inducing apoptosis in RL95-2 and KLE cells. SM1044 inhibits the proliferation of cancer cells RL95-2, KLE, HEC-50, HEC-1-A, HEC-1-B, and AN3CA, with an IC ₅₀ of less than 3.6 μM. Additionally, SM1044 suppresses tumor growth in RL95-2 xenograft mouse models.
Targets(IC ₅₀)	Apoptosis,Caspase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5679 mL	7.8394 mL	15.6789 mL
5 mM	0.3136 mL	1.5679 mL	3.1358 mL
10 mM	0.1568 mL	0.7839 mL	1.5679 mL
50 mM	0.0314 mL	0.1568 mL	0.3136 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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