

SSE1806

Chemical Properties

CAS No. :

Formula: C₂₁H₁₈N₂O₅

Molecular Weight: 378.38

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	SSE1806, a podophyllotoxin derivative (a natural antimitotic agent), functions as a microtubule/tubulin inhibitor, exhibiting potent anticancer and antiproliferative properties. It demonstrates a GI ₅₀ for inhibiting cancer cell growth between 1.29-21.15 μM. This compound induces mitotic disruption and G ₂ /M phase arrest, upregulates p53 expression, and suppresses the growth of colon cancer organoids. Notably, SSE1806 can counteract multidrug resistance in cell lines that overexpress MDR-1 [1].
Targets(IC ₅₀)	Apoptosis,Others,Microtubule Associated

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6428 mL	13.2142 mL	26.4285 mL
5 mM	0.5286 mL	2.6428 mL	5.2857 mL
10 mM	0.2643 mL	1.3214 mL	2.6428 mL
50 mM	0.0529 mL	0.2643 mL	0.5286 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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