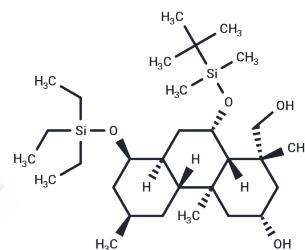


SPI-001

Chemical Properties

CAS No. : 1220996-46-2
 Formula: C₃₀H₆₀O₄Si₂
 Molecular Weight: 540.97
 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	SPI-001 is a selective inhibitor of PPM1D (IC ₅₀ =0.48 μM) that exhibits anticancer activity. The compound inhibits the phosphatase activity of PPM1D in human breast cancer cells overexpressing PPM1D and enhances the phosphorylation of p53. Additionally, SPI-001 suppresses cell proliferation by inducing apoptosis.
Targets(IC ₅₀)	Apoptosis, Phosphatase, MDM-2/p53

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8485 mL	9.2427 mL	18.4853 mL
5 mM	0.3697 mL	1.8485 mL	3.6971 mL
10 mM	0.1849 mL	0.9243 mL	1.8485 mL
50 mM	0.037 mL	0.1849 mL	0.3697 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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