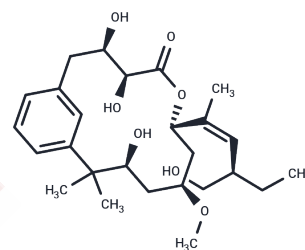


JC168

Chemical Properties

CAS No. : 1784751-83-2
 Formula: C₂₆H₄₀O₇
 Molecular Weight: 464.592
 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	JC168 is a phenyl analog of peloruside and functions as a microtubule inhibitor with antiproliferative and anticancer properties. It enhances tubulin polymerization, thereby disrupting microtubule dynamics, making it a useful agent in the study of microtubule-associated diseases.
Targets(IC50)	Microtubule Associated
In vitro	JC168 inhibits the proliferation of M04 cells at a concentration of 1 µg/mL over 4 days and also suppresses the invasion of MDA-MB231 GFP-LUC cells into type I collagen at the same concentration for 1 day [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1524 mL	10.7622 mL	21.5244 mL
5 mM	0.4305 mL	2.1524 mL	4.3049 mL
10 mM	0.2152 mL	1.0762 mL	2.1524 mL
50 mM	0.043 mL	0.2152 mL	0.4305 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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