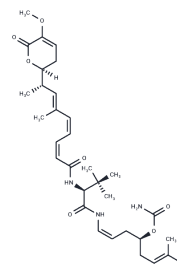


PM050489

## Chemical Properties

CAS No. : 960210-97-3  
 Formula: C<sub>31</sub>H<sub>44</sub>ClN<sub>3</sub>O<sub>7</sub>  
 Molecular Weight: 606.15  
 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	PM050489, a potent polyketone inhibitor of Microtubule/Tubulin isolated from the Madagascan sponge <i>Lithoplocamia lithistoides</i> , effectively inhibits mitosis with an IC <sub>50</sub> value of 26.4 nM. This compound exhibits antitumor activity, making it relevant for cancer research [1] [2].
Targets(IC <sub>50</sub> )	Others, Microtubule Associated

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6498 mL	8.2488 mL	16.4976 mL
5 mM	0.330 mL	1.6498 mL	3.2995 mL
10 mM	0.165 mL	0.8249 mL	1.6498 mL
50 mM	0.033 mL	0.165 mL	0.330 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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