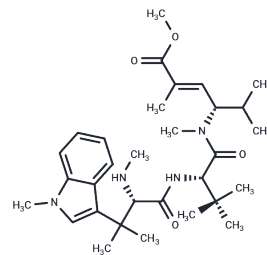


SPA107

## Chemical Properties

CAS No. : 179939-69-6  
 Formula: C<sub>31</sub>H<sub>48</sub>N<sub>4</sub>O<sub>4</sub>  
 Molecular Weight: 540.74  
 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	SPA107 (Hemiasterlin methyl ester) is an analogue of Hemiasterlin. It inhibits tubulin polymerization, exhibiting antimetabolic activity with an IC <sub>50</sub> of 0.5 nM. SPA107 also shows cytotoxicity against p53 mutated MCF-7 cells, with an IC <sub>50</sub> of 0.5 nM.
Targets(IC <sub>50</sub> )	Others, Microtubule Associated

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8493 mL	9.2466 mL	18.4932 mL
5 mM	0.3699 mL	1.8493 mL	3.6986 mL
10 mM	0.1849 mL	0.9247 mL	1.8493 mL
50 mM	0.037 mL	0.1849 mL	0.3699 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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