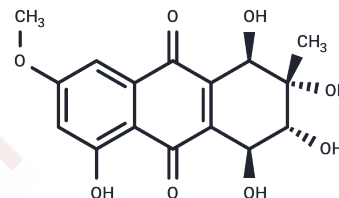


## Altersolanol A

## Chemical Properties

CAS No. :	22268-16-2
Formula:	C <sub>16</sub> H <sub>16</sub> O <sub>8</sub>
Molecular Weight:	336.29
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	Altersolanol A (Stemphylin; NSC 173943) demonstrates effective antimicrobial properties, inhibiting the growth of <i>Bacillus subtilis</i> and <i>Pseudomonas aeruginosa</i> with a minimum inhibitory concentration (MIC) ranging from 25-100 µg/mL. Additionally, it shows no phytotoxic effects on <i>Taxus</i> at a concentration of 4 µg/µL.
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9736 mL	14.8681 mL	29.7362 mL
5 mM	0.5947 mL	2.9736 mL	5.9472 mL
10 mM	0.2974 mL	1.4868 mL	2.9736 mL
50 mM	0.0595 mL	0.2974 mL	0.5947 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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