

## Stilbostemin N

## Chemical Properties

CAS No.:	1000676-45-8
Formula:	C <sub>16</sub> H <sub>18</sub> O <sub>3</sub>
Molecular Weight:	258.32
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

## Biological Description

Description	Stilbostemins N may exhibit moderate antibacterial activities.
Targets(IC <sub>50</sub> )	Antifection: None
In vitro	METHODS AND RESULTS: Twelve dihydrostilbenes, Stilbostemin N-Y (1-12), and a phenanthraquinone, stemanthraquinone (13), were isolated and identified from roots of <i>Stemona tuberosa</i> , along with five known dihydrostilbenes. Their structures were established on the basis of 1D and 2D NMR and other spectroscopic analyses. CONCLUSIONS: Dihydrostilbene 8 exhibited strong activity against <i>Bacillus pumilus</i> (MIT 12.5-25 µg/mL). Many tested compounds exhibited moderate antibacterial activities.

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.871 mL	19.356 mL	38.712 mL
5 mM	0.774 mL	3.871 mL	7.742 mL
10 mM	0.387 mL	1.936 mL	3.871 mL
50 mM	0.077 mL	0.387 mL	0.774 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Antibacterial stilbenoids from the roots of *Stemona tuberosa*. *Phytochemistry*.2008 Jan;69(2):457-463.

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