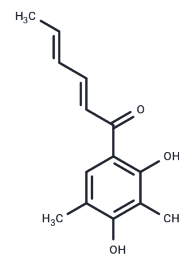


## Sorbicillin

## Chemical Properties

CAS No. :	79950-85-9
Formula:	C <sub>14</sub> H <sub>16</sub> O <sub>3</sub>
Molecular Weight:	232.28
Storage:	Keep away from direct sunlight, Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Sorbicillin is a sorbic acid-like compound extracted from Penicillium, with anti-inflammatory and antibacterial activities. It induces apoptosis in HL-60 cells and has potential neuroprotective activity, making it useful for studying neurological diseases.
Targets(IC50)	Others, Antibacterial

## Solubility Information

Solubility	DMSO: 80 mg/mL (344.41 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3051 mL	21.5257 mL	43.0515 mL
5 mM	0.861 mL	4.3051 mL	8.6103 mL
10 mM	0.4305 mL	2.1526 mL	4.3051 mL
50 mM	0.0861 mL	0.4305 mL	0.861 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.

## Reference

Trifonov L S, et al. Isolation and structure elucidation of three metabolites from *Ventricillium intertextum*: sorbicillin, dihydrosorbicillin and bisvertinoquinol. *Tetrahedron* 39.24 (1983): 4243-4256.

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