

## Carviolin

## Chemical Properties

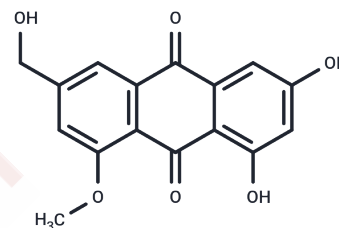
CAS No. : 478-35-3

Formula: C<sub>16</sub>H<sub>12</sub>O<sub>6</sub>

Molecular Weight: 300.26

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	Carviolin is a natural product found in <i>Penicillium purpureum</i> , <i>Pure Neobulgaria</i> and <i>Penicillium</i> spp with moderately cytotoxic. Carviolin has antifungal, antibacterial or phytotoxic activity.
Targets(IC50)	Others,Antifungal

## Solubility Information

Solubility	Methanol: Soluble DMSO: Soluble Ethanol: Soluble Dichloromethane: Soluble ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3304 mL	16.6522 mL	33.3045 mL
5 mM	0.6661 mL	3.3304 mL	6.6609 mL
10 mM	0.333 mL	1.6652 mL	3.3304 mL
50 mM	0.0666 mL	0.333 mL	0.6661 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

Wu YM, et al. Antifeedant and Antifungal Activities of Metabolites Isolated from the Coculture of Endophytic Fungus *Aspergillus tubingensis* S1120 with Red Ginseng. *Chem Biodivers*. 2022 Jan; 19(1):e202100608.

Aly, A.H., Debbab, A., Clements, C.M., et al. NF kappa B inhibitors and antitrypanosomal metabolites from endophytic fungus *Penicillium* sp. isolated from *Limonium tubiflorum* *Bioorg. Med. Chem.* 19(1)414-421(2011)

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