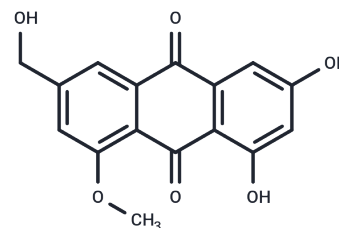


Carviolin

Chemical Properties

CAS No. :	478-35-3
Formula:	C ₁₆ H ₁₂ O ₆
Molecular Weight:	300.26
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Carviolin is an anthraquinone fungal metabolite that has been found in <i>Z. longicauda</i> with immunosuppressive and antitrypanosomal activities. ^{1,2} It inhibits LPS- or concanavalin A-induced proliferation of mouse splenocytes (IC ₅₀ s = 4 and 4.5 µg/ml, respectively). ¹ Carviolin is active against <i>T. b. brucei</i> (MIC = 41.66 µM). ²
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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.

Reference

Fujimoto, H., Nakamura, E., Okuyama, E., et al. Six immunosuppressive features from an ascomycete, *Zopfiella longicauda*, found in a screening study monitored by immunomodulatory activity. *Chem. Pharm. Bull. (Tokyo)* 52

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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