

Coniferyl alcohol

Chemical Properties

CAS No. : 458-35-5

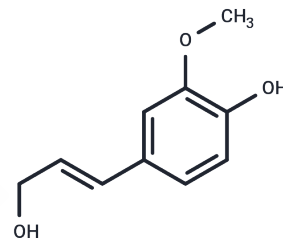
Formula: C₁₀H₁₂O₃

Molecular Weight: 180.2

Store at low temperature

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Coniferyl alcohol (Coniferol) is a fungal growth inhibitor.
Targets(IC50)	Endogenous Metabolite,Antifungal

Solubility Information

Solubility	H ₂ O: 83.2 mM,Sonication is recommended. DMSO: 60 mg/mL (332.96 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (11.1 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.5494 mL	27.7469 mL	55.4939 mL
5 mM	1.1099 mL	5.5494 mL	11.0988 mL
10 mM	0.5549 mL	2.7747 mL	5.5494 mL
50 mM	0.111 mL	0.5549 mL	1.1099 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

König S, et al. Soluble phenylpropanoids are involved in the defense response of Arabidopsis against *Verticillium longisporum*[J]. *New Phytologist*, 2014, 202(3):823-837.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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