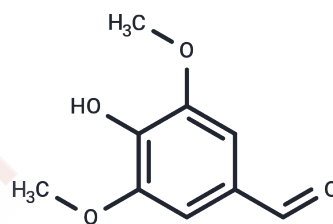


syringaldehyde

Chemical Properties

CAS No. :	134-96-3
Formula:	C ₉ H ₁₀ O ₄
Molecular Weight:	182.17
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	syringaldehyde is a polyphenolic compound belonging to the group of flavonoids and is found in different plant species like Manihot esculenta and Magnolia officinalis. Syringaldehyde moderately inhibits COX-2 activity with an IC ₅₀ of 3.5 µg/mL. Anti-hyperglycemic and anti-inflammatory activities.
Targets(IC ₅₀)	COX

Solubility Information

Solubility	DMSO: 55 mg/mL (301.92 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	5.4894 mL	27.4469 mL	54.8938 mL
5 mM	1.0979 mL	5.4894 mL	10.9788 mL
10 mM	0.5489 mL	2.7447 mL	5.4894 mL
50 mM	0.1098 mL	0.5489 mL	1.0979 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

Vanillin and Syringaldehyde as Attractants for Scolytus multistriatus (Coleoptera: Scolytidae). Meyer H.J. and Norris D.M., Annals of the Entomological Society of America, 17 July 1967, Volume 60, Number 4, pages 858-859.

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