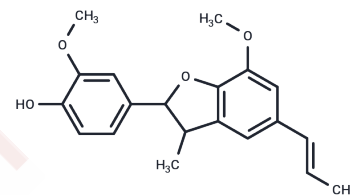


## Dehydrodiisoeugenol

## Chemical Properties

CAS No. :	2680-81-1
Formula:	C <sub>20</sub> H <sub>22</sub> O <sub>4</sub>
Molecular Weight:	326.39
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	1. Dehydrodiisoeugenol has anti-inflammatory activity. (1). Dehydrodiisoeugenol inhibited the expression of the COX-2 in RAW264.7 murine macrophages stimulated with LPS. (2). Dehydrodiisoeugenol inhibited LPS-stimulated phosphorylation-dependent proteolysis of inhibitor $\kappa$ B- $\alpha$ and transcriptional activity of NF- $\kappa$ B in the cells.
Targets(IC50)	NF- $\kappa$ B,Antibacterial,COX

## Solubility Information

Solubility	DMSO: 59 mg/mL (180.77 mM),Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0638 mL	15.3191 mL	30.6382 mL
5 mM	0.6128 mL	3.0638 mL	6.1276 mL
10 mM	0.3064 mL	1.5319 mL	3.0638 mL
50 mM	0.0613 mL	0.3064 mL	0.6128 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

Li F , Yang X W . Metabolism of the Lignan Dehydrodiisoeugenol in Rats[J]. Planta Medica, 2011, 77(15):1712-1717.

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