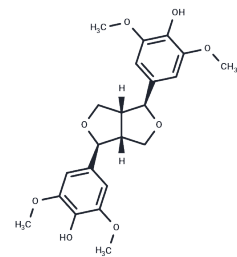


DL-Syringaresinol

Chemical Properties

CAS No. :	1177-14-6
Formula:	C ₂₂ H ₂₆ O ₈
Molecular Weight:	418.44
Storage:	Store at low temperature, Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	DL-Syngaresinol (±)-Syngaresinol) is a lignan from ginseng berries with anti-inflammatory, antioxidant, analgesic and weak anti-mycobacterial activities. DL-Syngaresinol can delay oxidative stress-induced skin aging through autophagy, alleviate oxaliplatin-induced neuropathic pain and sepsis-induced cardiac dysfunction by inhibiting inflammatory responses. neuropathic pain and sepsis-induced cardiac dysfunction by inhibiting inflammatory responses.
Targets(IC50)	Antioxidant, Antibacterial, Antifungal, DNA/RNA Synthesis, p38 MAPK

Solubility Information

Solubility	DMSO: 4.19 mg/mL (10.01 mM), Sonication is recommended. Methanol: 4.19 mg/mL (10.01 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	2.3898 mL	11.9491 mL	23.8983 mL
5 mM	0.478 mL	2.3898 mL	4.7797 mL
10 mM	0.239 mL	1.1949 mL	2.3898 mL
50 mM	0.0478 mL	0.239 mL	0.478 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

- Jung Hwan Oh, et al. Syringaresinol Inhibits UVA-Induced MMP-1 Expression by Suppression of MAPK/AP-1 Signaling in HaCaT Keratinocytes and Human Dermal Fibroblasts. *Int J Mol Sci.* 2020 Jun 1;21(11):3981.
- Su-Yen Chang, et al. Antimycobacterial butanolides from the root of *Lindera akoensis*. *Chem Biodivers.* 2008 Dec;5 (12):2690-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481