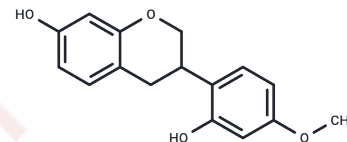


(+/-)-Vestitol

Chemical Properties

CAS No. :	56701-24-7
Formula:	C ₁₆ H ₁₆ O ₄
Molecular Weight:	272.30
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	(+/-)-Vestitol is a natural hydroxyisoflavone found in plants such as Brazilian red propolis, licorice root, and clover. (+/-)-Vestitol possesses biological activities including anti-inflammatory, antioxidant, antibacterial, and antiparasitic properties.
Targets(IC50)	Antifection

Solubility Information

Solubility	DMSO: 80.00 mg/mL (293.79 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	3.6724 mL	18.3621 mL	36.7242 mL
5 mM	0.7345 mL	3.6724 mL	7.3448 mL
10 mM	0.3672 mL	1.8362 mL	3.6724 mL
50 mM	0.0734 mL	0.3672 mL	0.7345 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

- John L. Ingham, et al. Notizen: Isoflavonoid Phytoalexins from Leaves of Trifolium arvense.
- Koo H, et al. Inhibition of Streptococcus mutans biofilm accumulation and polysaccharide production by apigenin and tt-farnesol. J Antimicrob Chemother. 2003;52(5):782-789.

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