

Vestitol

Chemical Properties

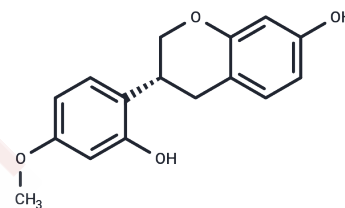
CAS No. : 35878-41-2

Formula: C₁₆H₁₆O₄

Molecular Weight: 272.3

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 phytoalexin with insect feeding-deterrent activity, it has antioxidant, anti-inflammatory and antimicrobial activities, it can inhibit neutrophil migration at a dose of 10 mg/kg, and shows MICs ranging from 25-50 to 50-100 ug/mL and MBCs ranging from 25-50 to 50-100 ug/mL. Vestitol exerts a limited inhibitory effect on <i>S. hermonthica</i> germination, it can significantly inhibit seedling growth, it also contributes, at least in part, to the host's defence mechanism and acts as a chemical barrier against the intrusion of the parasite.
Targets(IC50)	Antifection

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.

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