

Demethylvestitol

Chemical Properties

CAS No. :	65332-45-8
Formula:	C15H14O4
Molecular Weight:	258.27
Storage:	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	Demethylvestitol is a natural isoflavone compound that can be extracted from <i>Spatholobus suberectus</i> and exhibits a certain degree of inhibitory activity against the androgen receptor.
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Solubility Information

Solubility	DMSO: 53.34 mg/mL (206.53 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	3.8719 mL	19.3596 mL	38.7192 mL
5 mM	0.7744 mL	3.8719 mL	7.7438 mL
10 mM	0.3872 mL	1.936 mL	3.8719 mL
50 mM	0.0774 mL	0.3872 mL	0.7744 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

- Ma X, et, al. Nitric oxide inhibitory flavonoids from traditional Chinese medicine formula Baoyuan Decoction. *Fitoterapia*. 2015 Jun;103:252-9.
- Singh SM, et al. Androgen receptor antagonists (antiandrogens): structure-activity relationships. *Curr Med Chem*. 2000;7(2):211-247.

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