

## 4',7-Dimethoxyisoflavone

## Chemical Properties

CAS No. : 1157-39-7

Formula: C<sub>17</sub>H<sub>14</sub>O<sub>4</sub>

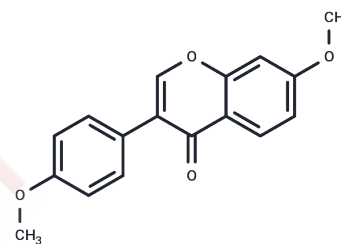
Molecular Weight: 282.29

Storage:

Keep away from direct sunlight, Keep away from moisture

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	4',7-Dimethoxyisoflavone (Daidzein dimethyl ether), a kind of isoflavonoids, showed inhibitory effects on rat prostate testosterone 5 $\alpha$ -reductase.
Targets(IC50)	Endogenous Metabolite, Antifungal
In vitro	4',7-Dimethoxyisoflavone exhibits antifungal activity against some plant pathogenic fungi tested in vitro, and the sensitivity of different fungi to this chemical varied considerably[1].

## Solubility Information

Solubility	DMSO: 4 mg/mL (14.17 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	3.5425 mL	17.7123 mL	35.4246 mL
5 mM	0.7085 mL	3.5425 mL	7.0849 mL
10 mM	0.3542 mL	1.7712 mL	3.5425 mL
50 mM	0.0708 mL	0.3542 mL	0.7085 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

M. K. Pandey, et al. Antifungal Activity of 4',7-Dimethoxyisoflavone Against Some Fungi. Mycobiology 30(1): 55-56 (2002).

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