4',7-Dimethoxyisoflavone

Cat. No.: HY-N2145

CAS No.: 1157-39-7

Molecular Formula: $C_{17}H_{14}O_4$

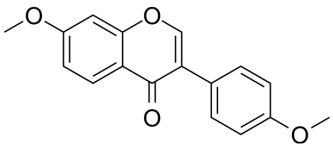
Molecular Weight: 282.29

Target: Fungal; Endogenous Metabolite

Pathway: Anti-infection; Metabolic Enzyme/Protease

Storage: 4°C, protect from light

* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (177.12 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (8.86 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

4',7-Dimethoxyisoflavone is isolated from the leaves of Albizzia lebbeck, which shows antifungal activity[1].

In Vitro

4',7-Dimethoxyisoflavone shows antifungal activity against some plant pathogenic fungi tested in vitro, and the sensitivity of different fungi to this chemical varied considerably[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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

Caution: Product has not been fully validated for medical applications. For research use only.

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