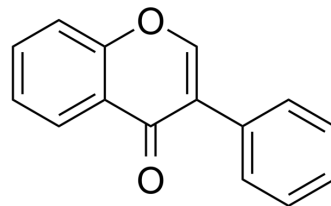


Isoflavone

Cat. No.:	HY-W006405		
CAS No.:	574-12-9		
Molecular Formula:	C ₁₅ H ₁₀ O ₂		
Molecular Weight:	222.24		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (449.96 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	4.4996 mL	22.4982 mL	44.9964 mL
		5 mM	0.8999 mL	4.4996 mL	8.9993 mL
10 mM		0.4500 mL	2.2498 mL	4.4996 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (11.25 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (11.25 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Isoflavone, a soy phytoestrogen and a biologically active component, presents in several agriculturally important legumes such as soy, peanut, green peas, chick peas and alfalfa ^{[1][2]} .
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REFERENCES

[1]. Takahashi Y, et al. Effects of soy protein and isoflavone on hepatic fatty acid synthesis and oxidation and mRNA expression of uncoupling proteins and peroxisome proliferator-activated receptor gamma in adipose tissues of rats. J Nutr Biochem. 2008;19(10)

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

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