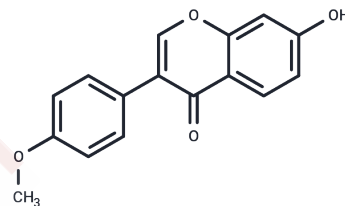


Formononetin

Chemical Properties

CAS No. :	485-72-3
Formula:	C ₁₆ H ₁₂ O ₄
Molecular Weight:	268.26
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Formononetin (Flavosil) is an O-methylated isoflavone and a phytoestrogen from the root of Astragalus membranaceus.
Targets(IC50)	Apoptosis,FGFR

Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 18.33 mg/mL (68.33 mM),Sonication is recommended. H2O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7277 mL	18.6386 mL	37.2773 mL
5 mM	0.7455 mL	3.7277 mL	7.4555 mL
10 mM	0.3728 mL	1.8639 mL	3.7277 mL
50 mM	0.0746 mL	0.3728 mL	0.7455 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.

Reference

Liu XJ, et al. Asian Pac J Y Prev. 2014;15(6):2835-9.

Zhou Z W, Zhu X Y, Li S Y, et al.Formononetin Inhibits Mast Cell Degranulation to Ameliorate Compound 48/80-Induced Pseudoallergic Reactions.Molecules.2023, 28(13): 5271.

Luo H, Yang S, Deng P, et al.Network pharmacology combined with transcriptomics reveals that formononetin, a biologically component of Astragalus membranaceus (Fisch.) Bunge, inhibits the PI3K/Akt signaling pathway to improve chronic renal failure.Journal of Ethnopharmacology.2024: 119041.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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