

Ononin

Chemical Properties

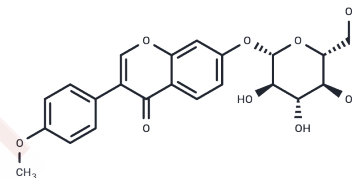
CAS No. : 486-62-4

Formula: C₂₂H₂₂O₉

Molecular Weight: 430.40

Storage: 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	1. Ononin (Formononetin 7-O-glucoside) can inhibit the growth of pathogen. 2. Ononin plays an important role in human nutrition as health promoting natural chemicals and are established to be the beneficial components.
Targets(IC50)	Apoptosis,ERK,Akt,Antibacterial,JNK,mTOR,p38 MAPK,PI3K

Solubility Information

Solubility	DMSO: 55.00 mg/mL (127.79 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2.00 mg/mL (4.65 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3234 mL	11.6171 mL	23.2342 mL
5 mM	0.4647 mL	2.3234 mL	4.6468 mL
10 mM	0.2323 mL	1.1617 mL	2.3234 mL
50 mM	0.0465 mL	0.2323 mL	0.4647 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

Zhang W , Jiang S , Qian D W , et al. [The interaction between ononin and human intestinal bacteria].]. Acta Pharmaceutica Sinica, 2014, 49(8):1162-1168.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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