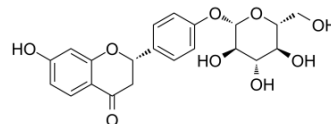


Liquiritin

Cat. No.:	HY-N0376		
CAS No.:	551-15-5		
Molecular Formula:	C ₂₁ H ₂₂ O ₉		
Molecular Weight:	418.39		
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 : 150 mg/mL (358.52 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.3901 mL	11.9506 mL	23.9011 mL
		5 mM		0.4780 mL	2.3901 mL	4.7802 mL
		10 mM		0.2390 mL	1.1951 mL	2.3901 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 (5.98 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.98 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.98 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Liquiritin is a flavonoid isolated from Glycyrrhiza, acts as an antioxidant and has neuroprotective, anti-cancer and anti-inflammatory activity ^{[1][2]} .
IC ₅₀ & Target	Liquiritin (100 μM) increases glucose-6-phosphate dehydrogenase expression on B65 neuroblastoma cells ^[1] .

REFERENCES

[1]. Nakatani Y, et al. Neuroprotective effect of liquiritin as an antioxidant via an increase in glucose-6-phosphate dehydrogenase expression on B65 neuroblastoma cells. *Eur J Pharmacol.* 2017 Nov 15;815:381-390.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA