

Licoisoflavone A

Chemical Properties

CAS No.:	66056-19-7
Formula:	C ₂₀ H ₁₈ O ₆
Molecular Weight:	354.4
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Licoisoflavone A is a potential MRP inhibitor, it shows inhibitory effects on copper-induced protein oxidative modification of mice brain homogenate in vitro.
Targets(IC ₅₀)	MRP: None
In vitro	We present the results of an in vitro investigation of the inhibitory effects of licoisoflavones A and B and sophoraisoflavone A isolated from Sophra mooracroftiana BETH ex BAKER on copper-induced protein oxidative modification of mice brain homogenate in vitro. Although inhibitory effect of sophoraisoflavone A was stronger than those of licoisoflavones A and B, genistein as a related isoflavone, and mannitol as a hydroxy radical scavenger, inhibitory effects of licoisoflavones A and B were weaker than those of genistein and mannitol.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.822 mL	14.108 mL	28.217 mL
5 mM	0.564 mL	2.822 mL	5.643 mL
10 mM	0.282 mL	1.411 mL	2.822 mL
50 mM	0.056 mL	0.282 mL	0.564 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Inhibitory effects of licoisoflavones A and B and sophoraisoflavone A of Sophra mooracroftiana Beth ex Baker on copper-ion-induced protein oxidative modification of mice brain homogenate, in vitro. Biol Trace Elem Res. 2001 Aug;81(2):169-75.

Inhibitors · Natural Compounds · Compound Libraries

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