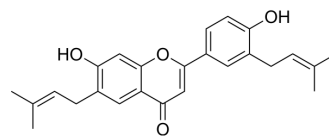


Licoflavone B

Cat. No.:	HY-N4184
CAS No.:	91433-17-9
Molecular Formula:	C ₂₅ H ₂₆ O ₄
Molecular Weight:	390
Target:	Parasite
Pathway:	Anti-infection
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (256.41 mM; Need ultrasonic)																													
	Preparing Stock Solutions	<table border="1"> <thead> <tr> <th>Solvent</th> <th>Mass</th> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>Concentration</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 mM</td> <td></td> <td>2.5641 mL</td> <td>12.8205 mL</td> <td>25.6410 mL</td> </tr> <tr> <td>5 mM</td> <td></td> <td>0.5128 mL</td> <td>2.5641 mL</td> <td>5.1282 mL</td> </tr> <tr> <td>10 mM</td> <td></td> <td>0.2564 mL</td> <td>1.2821 mL</td> <td>2.5641 mL</td> </tr> </tbody> </table>	Solvent	Mass	1 mg	5 mg	10 mg	Concentration					1 mM		2.5641 mL	12.8205 mL	25.6410 mL	5 mM		0.5128 mL	2.5641 mL	5.1282 mL	10 mM		0.2564 mL	1.2821 mL	2.5641 mL			
		Solvent	Mass	1 mg	5 mg	10 mg																								
		Concentration																												
		1 mM		2.5641 mL	12.8205 mL	25.6410 mL																								
5 mM		0.5128 mL	2.5641 mL	5.1282 mL																										
10 mM		0.2564 mL	1.2821 mL	2.5641 mL																										
Please refer to the solubility information to select the appropriate solvent.																														
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.41 mM); Clear solution																													

BIOLOGICAL ACTIVITY

Description	Licoflavone B is a flavonoid isolated from <i>Glycyrrhiza inflata</i> , inhibits <i>S. mansoni</i> ATPase (IC ₅₀ , 23.78 μM) and ADPase (IC ₅₀ , 31.50 μM) activity. Anti-schistosomiasis activity ^[1] .
IC ₅₀ & Target	Schistosome

REFERENCES

[1]. Aleixo de Carvalho LS1, et al. Schistosomicidal activity and docking of *Schistosoma mansoni* ATPDase 1 with licoflavone B isolated from *Glycyrrhiza inflata* (Fabaceae).

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