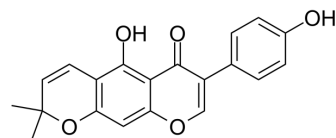


## Alpinumisoflavone

Cat. No.:	HY-N2857		
CAS No.:	34086-50-5		
Molecular Formula:	C <sub>20</sub> H <sub>16</sub> O <sub>5</sub>		
Molecular Weight:	336.34		
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 : 100 mg/mL (297.32 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.9732 mL	14.8659 mL	29.7318 mL
	5 mM	0.5946 mL	2.9732 mL	5.9464 mL
	10 mM	0.2973 mL	1.4866 mL	2.9732 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (7.43 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (7.43 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (7.43 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Alpinumisoflavone (compound 2) is a flavonoid derivative isolated from the stem bark of *Erythrina lysistemon* Hutch<sup>[1]</sup>.

### REFERENCES

[1]. el-Masry S, et al. Prenylated flavonoids of *Erythrina lysistemon* grown in Egypt. *Phytochemistry*. 2002 Aug;60(8):783-7.

---

**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](mailto:tech@MedChemExpress.com)

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