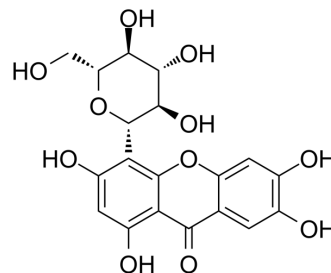


## Isomangiferin

Cat. No.:	HY-N0772
CAS No.:	24699-16-9
Molecular Formula:	C <sub>19</sub> H <sub>18</sub> O <sub>11</sub>
Molecular Weight:	422
Target:	Influenza Virus
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (118.48 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.3697 mL	11.8483 mL	23.6967 mL
				5 mM	0.4739 mL	2.3697 mL	4.7393 mL
				10 mM	0.2370 mL	1.1848 mL	2.3697 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 (5.92 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.92 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	Isomangiferin, a natural product, is reported to have antiviral activity.
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### REFERENCES

- [1]. Zheng MS, et al. Antiviral effect of mangiferin and isomangiferin on herpes simplex virus. Chin Med J (Engl). 1990 Feb;103(2):160-5.
- [2]. Gerassim M Kitanov, et al. Mangiferin and isomangiferin in some Hypericum species. Biochemical Systematics and Ecology Volume 26, Issue 6, 1 September 1998, Pages 647–653

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

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