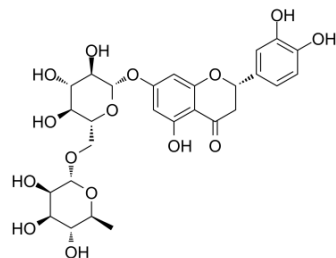


## Eriocitrin

Cat. No.:	HY-N0636
CAS No.:	13463-28-0
Molecular Formula:	C <sub>27</sub> H <sub>32</sub> O <sub>15</sub>
Molecular Weight:	596.53
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (209.55 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	1.6764 mL	8.3818 mL	16.7636 mL
		5 mM	0.3353 mL	1.6764 mL	3.3527 mL
	10 mM	0.1676 mL	0.8382 mL	1.6764 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: ≥ 2.08 mg/mL (3.49 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (3.49 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	Eriocitrin is a flavonoid isolated from lemon, which is a strong antioxidant agent. Eriocitrin could inhibit the proliferation of hepatocellular carcinoma cell lines by arresting cell cycle in S phase through up-regulation of p53, cyclin A, cyclin D3 and CDK6. Eriocitrin triggers apoptosis by activating mitochondria-involved intrinsic signaling pathway <sup>[1]</sup> .
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### REFERENCES

[1]. Wang Z, et al. Eriocitrin from lemon suppresses the proliferation of human hepatocellular carcinoma cells through inducing apoptosis and arresting cell cycle. Cancer Chemother Pharmacol. 2016 Dec;78(6):1143-1150.

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

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