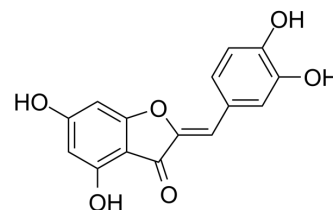


## Aureusidin

Cat. No.:	HY-N9834
CAS No.:	38216-54-5
Molecular Formula:	C <sub>15</sub> H <sub>10</sub> O <sub>6</sub>
Molecular Weight:	286.24
Target:	Lipoxygenase; Reactive Oxygen Species
Pathway:	Metabolic Enzyme/Protease; Immunology/Inflammation; NF-κB
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 62.5 mg/mL (218.35 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		3.4936 mL	17.4679 mL	34.9357 mL
		5 mM		0.6987 mL	3.4936 mL	6.9871 mL
		10 mM		0.3494 mL	1.7468 mL	3.4936 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 (7.27 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (7.27 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	Aureusidin is an aurone with high antioxidant and lipoxygenase inhibitory activity. Aureusidin also shows anti-inflammatory effects <sup>[1]</sup> .
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### REFERENCES

[1]. Arraki K, et al. Mammalian Arginase Inhibitory Activity of Methanolic Extracts and Isolated Compounds from Cyperus Species. Molecules. 2021 Mar 18;26(6):1694.

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

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