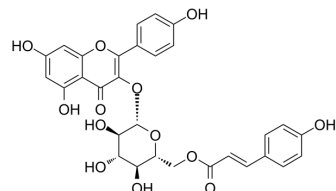


## Tribuloside

<b>Cat. No.:</b>	HY-N2443
<b>CAS No.:</b>	22153-44-2
<b>Molecular Formula:</b>	C <sub>30</sub> H <sub>26</sub> O <sub>13</sub>
<b>Molecular Weight:</b>	594.52
<b>Target:</b>	Bacterial
<b>Pathway:</b>	Anti-infection
<b>Storage:</b>	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 125 mg/mL (210.25 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	1.6820 mL	8.4101 mL	16.8203 mL
		5 mM	0.3364 mL	1.6820 mL	3.3641 mL
		10 mM	0.1682 mL	0.8410 mL	1.6820 mL
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (4.21 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Tribuloside is a flavonoid that can be isolated from <i>Tribulus terrestris</i> L <sup>[1]</sup> . Tribuloside exhibits anti-mycobacterial activity against the non-pathogenic <i>Mycobacterium</i> species with a minimum inhibitory concentration (MIC) of 5.0 mg/mL. Tribuloside has 1,1-diphenyl-2-picrylhydrazyl radical scavenging activity <sup>[2]</sup> .
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### REFERENCES

- [1]. Christopher R, et al. A new cinnamoyl glycoflavonoid, antimycobacterial and antioxidant constituents from *Heritiera littoralis* leaf extracts. *Nat Prod Res.* 2014;28(6):351-8.
- [2]. Yinlin Cao, et al. Medicine composition with total tribuloside possessing effect similar to female bormone and its prepn process. Patent CN1706469A

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

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