

## Vogeloside

## Chemical Properties

CAS No. :	60077-47-6
Formula:	C17H24O10
Molecular Weight:	388.37
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	Vogeloside is a furanocoumarin glycoside isolated from <i>Triosteum pinnatifidum</i> . Vogeloside inhibits the production of nitric oxide (NO) in lipopolysaccharide (LPS)-activated macrophages.
Targets(IC50)	Others
In vitro	Methods: Peritoneal macrophages were isolated from rats, purified, and cultured. The cells were pretreated with Vogeloside (50 µg/mL) for 2 hours and then stimulated with LPS (1 µg/mL) for 48 hours. NO <sub>2</sub> <sup>-</sup> levels were measured using the Griess method to assess NO production. Results: LPS increased NO production 8-fold (p < 0.05), and Vogeloside inhibited NO production. [1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5749 mL	12.8743 mL	25.7486 mL
5 mM	0.515 mL	2.5749 mL	5.1497 mL
10 mM	0.2575 mL	1.2874 mL	2.5749 mL
50 mM	0.0515 mL	0.2575 mL	0.515 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Meragelman TL, et al. Modified secoiridoid from *Acicarpha tribuloides* and inhibition of nitric oxide production in LPS-activated macrophages. *Phytochemistry*. 2006 Jul;67(14):1534-8.

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