

## Secologanic acid

## Chemical Properties

CAS No. : 60077-46-5

Formula: C<sub>16</sub>H<sub>22</sub>O<sub>10</sub>

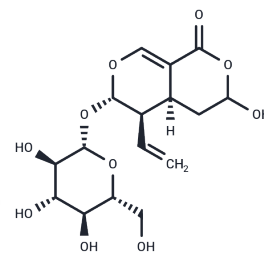
Molecular Weight: 374.34

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Secologanic acid is a plant growth inhibitor, it shows inhibition of nitric oxide production in lipopolysaccharide-activated macrophages.
Targets(IC50)	NO Synthase
In vitro	Bioassay-guided fractionation of <i>Acicarpha tribuloides</i> Juss. resulted in the isolation of an uncommon non-glycosylated secoiridoid, tribulolide (1), two known secoiridoid glycosides named Secologanic acid (2) and vogeloside (3) as well as two natural chromones, 6,7-dimethoxychromone (4) and 7-hydroxy-6-methoxy-chromone (5).

## Solubility Information

Solubility	DMSO: 75 mg/mL (200.35 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6714 mL	13.3568 mL	26.7137 mL
5 mM	0.5343 mL	2.6714 mL	5.3427 mL
10 mM	0.2671 mL	1.3357 mL	2.6714 mL
50 mM	0.0534 mL	0.2671 mL	0.5343 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

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

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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