

## Dunnianol

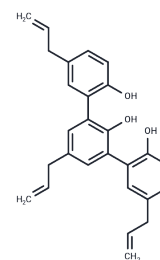
## Chemical Properties

CAS No. : 139726-29-7

Formula: C<sub>27</sub>H<sub>26</sub>O<sub>3</sub>

Molecular Weight: 398.49

Storage: Store at low temperature, Keep away from direct sunlight, Keep away from moisture  
 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	Dunnianol shows anti-inflammatory activity and moderate antibacterial activity.
Targets(IC50)	NOS, NF-κB, Antibacterial, ROS
In vitro	Dunnianol increases NAG-1 (multiple targets related to inflammation) activity and decreases cellular oxidative stress[1]. Dunnianol inhibits Staphylococcus aureus and methicillin-resistant Staphylococcus aureus[2].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5095 mL	12.5474 mL	25.0947 mL
5 mM	0.5019 mL	2.5095 mL	5.0189 mL
10 mM	0.2509 mL	1.2547 mL	2.5095 mL
50 mM	0.0502 mL	0.2509 mL	0.5019 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

C Li, et al. Compounds from the bark of Illicium tsaii and their anti-inflammatory activity. *Planta Medica*. 2014 July; 80.

Yong Guo, et al. Discovery, Synthesis, and Biological Evaluation of Dunnianol-Based Mannich Bases against Methicillin-Resistant Staphylococcus aureus (MRSA). *ACS Infect Dis*. 2020 Sep 11;6(9):2478-2489.

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

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