## Pinocembrin

®

MedChemExpress

Cat. No.:	HY-N0575			
CAS No.:	480-39-7			
Molecular Formula:	$C_{15}H_{12}O_4$			HO、 <_ O、 "(
Molecular Weight:	256.25		HU	
Target:	Bacterial; R	eactive C		
Pathway:	Anti-infectio Autophagy	on; Immu	 ОН О	
Storage:	Powder	-20°C	3 years	
		4°C	2 years	
	In solvent	-80°C	2 years	
		-20°C	1 year	

### SOLVENT & SOLUBILITY

Preparing Stock Solutions		Solvent Mass Concentration	1 mg	5 mg	10 mg		
		1 mM	3.9024 mL	19.5122 mL	39.0244 mL		
		5 mM	0.7805 mL	3.9024 mL	7.8049 mL		
		10 mM	0.3902 mL	1.9512 mL	3.9024 mL		
	Please refer to the so	lubility information to select the ap	propriate solvent.				
		1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (8.12 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (8.12 mM); Clear solution						
		3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (8.12 mM); Clear solution					

BIOLOGICAL ACTIVITY						
	embrin) is a flavonoid found in propolis, acts as a competitive inhibitor of histidine decarboxylase, lergic agent, with antioxidant, antimicrobial and anti-inflammatory properties <sup>[1]</sup> .					
	), 100 or 200 μM, 24 hours) significantly reduces cell viability of RBL-2H3 cells <sup>[1]</sup> . I) suppresses iNOS, PGE-2 and COX-2 levels, increases p38-Mapk and IκB-α, and inhibits <sup>[1]</sup> .					

# Product Data Sheet

MCE has not independently of <b>Cell Viability Assay</b> <sup>[1]</sup>	MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Viability Assay <sup>[1]</sup>		
Cell Line:	RBL-2H3 cells		
Concentration:	5, 10, 25, 50, 100 or 200 μM		
Incubation Time:	24 hours		
Result:	Decreased cell viability by $\boxtimes 50\%$ at $\ge 100~\mu M.$ Showed 75% cell viability at lower concentrations.		

### CUSTOMER VALIDATION

- Foods. 2023 Dec 1, 12(23), 4337.
- Microorganisms. 2023 May 29, 11(6), 1429.
- DNA Cell Biol. 2021 Sep 28.
- J Neurophysiol. 2022 Jan 5.

See more customer validations on www.MedChemExpress.com

#### REFERENCES

[1]. Hanieh H, et al. Pinocembrin, a novel histidine decarboxylase inhibitor with anti-allergic potential in in vitro. Eur J Pharmacol. 2017 Nov 5;814:178-186.

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

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