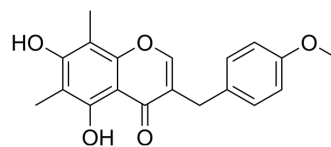


Methylphopogonone B

Cat. No.:	HY-N2442	
CAS No.:	74805-89-3	
Molecular Formula:	C ₁₉ H ₁₈ O ₅	
Molecular Weight:	326.34	
Target:	Reactive Oxygen Species	
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB	
Storage:	Powder	-20°C 3 years 4°C 2 years
	In solvent	-80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (76.61 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.0643 mL	15.3214 mL	30.6429 mL
		5 mM	0.6129 mL	3.0643 mL	6.1286 mL
10 mM		0.3064 mL	1.5321 mL	3.0643 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (3.83 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Methylphopogonone B, a homoisoflavonoidal compound that could be isolated from Ophiopogonis Tiber, could scavenge •OH and H ₂ O ₂ in vitro to a certain extent ^{[1][2]} .
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REFERENCES

[1]. AKIHIRO TADA, et al. Studies on the Constituents of Ophiopogonis Tuber. V. Isolation of a Novel Class of Homoisoflavonoids and Determination of Their Structures (1). Chemical and Pharmaceutical Bulletin. Volume 28 (1980) Issue 5.

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

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