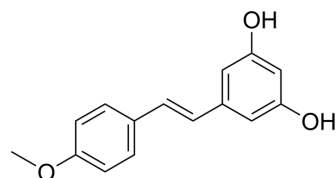


4'-Methoxyresveratrol

Cat. No.:	HY-N2485
CAS No.:	33626-08-3
Molecular Formula:	C ₁₅ H ₁₄ O ₃
Molecular Weight:	242.27
Target:	NF-κB; NOD-like Receptor (NLR)
Pathway:	NF-κB; Immunology/Inflammation
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (206.38 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	4.1276 mL	20.6381 mL	41.2763 mL
				5 mM	0.8255 mL	4.1276 mL	8.2553 mL
				10 mM	0.4128 mL	2.0638 mL	4.1276 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (10.32 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (10.32 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	4'-Methoxyresveratrol (4'-O-Methylresveratrol) is a polyphenol derived from Dipterocarpaceae, with antiandrogenic, antifungal and anti-inflammatory activities. 4'-Methoxyresveratrol alleviates AGE-induced inflammation through suppressing RAGE-mediated MAPK/NF-κB signaling pathway and NLRP3 inflammasome activation ^[1] .
IC ₅₀ & Target	NLRP3

CUSTOMER VALIDATION

- Mol Med. 2023 Mar 1;29(1):30.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Yu W, et al. 4'-Methoxyresveratrol Alleviated AGE-Induced Inflammation via RAGE-Mediated NF- κ B and NLRP3 Inflammasome Pathway. *Molecules*. 2018 Jun 14;23(6).

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

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