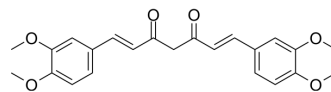


Dimethoxycurcumin

Cat. No.:	HY-100977	
CAS No.:	160096-59-3	
Molecular Formula:	C ₂₃ H ₂₄ O ₆	
Molecular Weight:	396.43	
Target:	NO Synthase; NF-κB	
Pathway:	Immunology/Inflammation; 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 : 100 mg/mL (252.25 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.5225 mL	12.6126 mL	25.2251 mL
	5 mM	0.5045 mL	2.5225 mL	5.0450 mL
	10 mM	0.2523 mL	1.2613 mL	2.5225 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Dimethoxycurcumin is a derivative of curcumin that has anti-inflammatory and antioxidant activities^{[1][2]}.

REFERENCES

[1]. Patwardhan RS, et al. Dimethoxycurcumin, a metabolically stable analogue of curcumin, exhibits anti-inflammatory activities in murine and human lymphocytes. *Biochem Pharmacol*

[2]. Pae HO, et al. Dimethoxycurcumin, a synthetic curcumin analogue with higher metabolic stability, inhibits NO production, inducible NO synthase expression and NF-κappaB activation in RAW264.7 macrophages activated with LPS. *Mol Nutr Food Res*. 2008 Sep;52(9):1082-91.

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

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