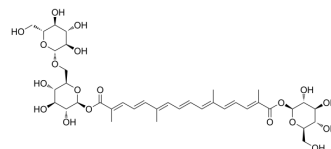


Crocin II

Cat. No.:	HY-N0698
CAS No.:	55750-84-0
Molecular Formula:	C ₃₈ H ₅₄ O ₁₉
Molecular Weight:	814.82
Target:	NO Synthase; COX; Endogenous Metabolite
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (30.68 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		1.2273 mL	6.1363 mL	12.2726 mL
5 mM			0.2455 mL	1.2273 mL	2.4545 mL	
	10 mM		0.1227 mL	0.6136 mL	1.2273 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.07 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.07 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Crocin II is isolated from the fruit of <i>Gardenia jasminoides</i> with antioxidant, anticancer, and antidepressant activity. Crocin II inhibits NO production with an IC ₅₀ value of 31.1 μM. Crocin II suppresses the expressions of protein and m-RNA of iNOS and COX-2 ^[1] .
IC₅₀ & Target	iNOS

REFERENCES

[1]. Hong YJ, et al. Anti-inflammatory activities of crocetin derivatives from processed *Gardenia jasminoides*. Arch Pharm Res. 2013 Aug;36(8):933-40.

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

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