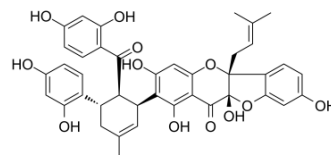


Sanggenon C

Cat. No.:	HY-N0617
CAS No.:	80651-76-9
Molecular Formula:	C ₄₀ H ₃₆ O ₁₂
Molecular Weight:	708.71
Target:	NF-κB
Pathway:	NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (141.10 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.4110 mL	7.0551 mL	14.1101 mL
				5 mM	0.2822 mL	1.4110 mL	2.8220 mL
10 mM				0.1411 mL	0.7055 mL	1.4110 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 (3.53 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Sanggenon C is a flavanone Diels-Alder adduct compound, which is isolated from the root bark of <i>Morus cathayana</i> . Sanggenon C exerts protective effects against cardiac hypertrophy and fibrosis via suppression of the calcineurin/NFAT2 pathway. Sanggenon C inhibits inducible nitric oxide synthase expression in RAW264.7 cells, and tumor necrosis factor-α-stimulated cell adhesion and vascular cell adhesion molecule-1 expression, by suppressing NF-κB activity ^[1] . Sanggenon C possesses antioxidant, anti-inflammatory activities and inhibits Pancreatic lipase (PL) with the an IC ₅₀ of 3.00 μM ^[2] .
IC ₅₀ & Target	NF-κB

REFERENCES

[1]. Xiao L, et al. Sanggenon C protects against pressure overload induced cardiac hypertrophy via the calcineurin/NFAT2 pathway. *Mol Med Rep.* 2017 Oct;16(4):5338-5346.

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

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