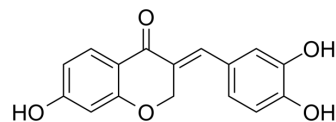


Sappanone A

Cat. No.:	HY-113556
CAS No.:	102067-84-5
Molecular Formula:	C ₁₆ H ₁₂ O ₅
Molecular Weight:	284.26
Target:	NF-κB; Keap1-Nrf2
Pathway:	NF-κB
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (439.74 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.5179 mL	17.5895 mL	35.1791 mL
		5 mM	0.7036 mL	3.5179 mL	7.0358 mL
	10 mM	0.3518 mL	1.7590 mL	3.5179 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: ≥ 2.08 mg/mL (7.32 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (7.32 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Sappanone A is a homoisoflavanone which exhibits anti-inflammatory effects via modulation of Nrf2 and NF-κB. Sappanone can attenuate allergic airway inflammation in Ovalbumin-induced asthma ^[1] .
-------------	--

REFERENCES

- [1]. Lee S, et, al. Sappanone A exhibits anti-inflammatory effects via modulation of Nrf2 and NF-κB. Int Immunopharmacol. 2015 Sep;28(1):328-36.
- [2]. Liu X, et, al. Sappanone A Attenuates Allergic Airway Inflammation in Ovalbumin-Induced Asthma. Int Arch Allergy Immunol. 2016;170(3):180-6.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA