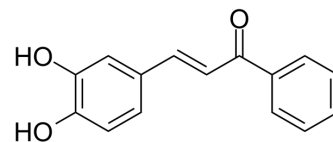


Antioxidant agent-1

Cat. No.:	HY-145104		
CAS No.:	136068-43-4		
Molecular Formula:	C ₁₅ H ₁₂ O ₃		
Molecular Weight:	240.25		
Target:	Others		
Pathway:	Others		
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 : 25 mg/mL (104.06 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.1623 mL	20.8117 mL	41.6233 mL
	5 mM	0.8325 mL	4.1623 mL	8.3247 mL
	10 mM	0.4162 mL	2.0812 mL	4.1623 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (10.41 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (10.41 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Antioxidant agent-1 is a new chalcone derivative as a potential antioxidant agent.

REFERENCES

- [1]. Okolo EN, et al. New chalcone derivatives as potential antimicrobial and antioxidant agent. Sci Rep. 2021 Nov 5;11(1):21781.

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