4-Vinylsyringol

Cat. No.:	HY-W160560
CAS No.:	28343-22-8
Molecular Formula:	C ₁₀ H ₁₂ O ₃
Molecular Weight:	180.2
Target:	Others
Pathway:	Others
Storage:	- 20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)

SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (554.94 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg		
		1 mM	5.5494 mL	27.7469 mL	55.4939 mL		
		5 mM	1.1099 mL	5.5494 mL	11.0988 mL		
		10 mM	0.5549 mL	2.7747 mL	5.5494 mL		
	Please refer to the sol	lubility information to select the app	propriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (13.87 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (13.87 mM); Clear solution						
	3. Add each solvent o Solubility: ≥ 2.5 mg	one by one: 10% DMSO >> 90% cor g/mL (13.87 mM); Clear solution	n oil				

BIOLOGICAL ACTIV	ТТҮ
Description	4-Vinylsyringol is a phenolic compound with potential antioxidant activity, which can be isolated from rapeseed oil ^[1] .

REFERENCES

[1]. Kraljić K, et al. Changes in 4-vinylsyringol and other phenolics during rapeseed oil refining. Food Chem. 2015 Nov 15;187:236-42.

[2]. Wang XY, et al. Antioxidant activity of soybean oil containing 4-vinylsyringol obtained from decarboxylated sinapic acid[J]. Journal of the American Oil Chemists'

Product Data Sheet

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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