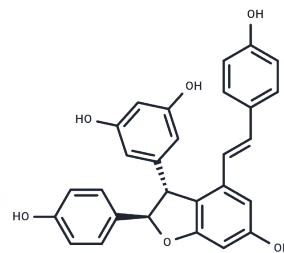


ϵ -Viniferin

Chemical Properties

CAS No. :	62218-08-0
Formula:	C ₂₈ H ₂₂ O ₆
Molecular Weight:	454.47
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	ϵ -Viniferin (epsilon-Viniferin) a dimer of resveratrol, shows the inhibitory effects of epsilon-viniferin on human CYP1A1, CYP1A2, CYP1B1, CYP2A6, CYP2B6, CYP2E1, CYP3A4 and CYP4A activities.
Targets(IC50)	Cytochromes P450

Solubility Information

Solubility	DMSO: 75 mg/mL (165.03 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 1.67 mg/mL (3.67 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2004 mL	11.0018 mL	22.0037 mL
5 mM	0.4401 mL	2.2004 mL	4.4007 mL
10 mM	0.220 mL	1.1002 mL	2.2004 mL
50 mM	0.044 mL	0.220 mL	0.4401 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Piver B, et al. Differential inhibition of human cytochrome P450 enzymes by epsilon-viniferin, the dimer of resveratrol: comparison with resveratrol and polyphenols from alcoholized beverages. *Life Sci.* 2003 Jul 18;73(9): 1199-213.

XAVIER VITRAC, et al. Determination of Stilbenes (δ -viniferin, trans-astringin, trans-piceid, cis- and trans-resveratrol, E-viniferin) in Brazilian Wines. *J. Agric. Food Chem.* 2005, 53, 5664–5669.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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