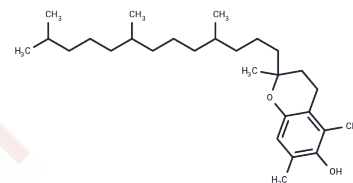


(±)-5,7-Dimethyltolcol**Chemical Properties**

CAS No. :	493-35-6
Formula:	C ₂₈ H ₄₈ O ₂
Molecular Weight:	416.69
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	(±)-5,7-Dimethyltolcol is a form of tocopherol. It has similar antioxidant activity to α-tocol, but lower activity than γ-tocol, in antioxidant assays using menhaden oil or squalene as substrates. It also increases microviscosity of rat liver liposomes containing phosphatidylcholine (PC) by 70.6% when used at a molar ratio of 0.2 to PC. (±)-Dimethyltolcol has been used as an internal standard for the quantification of 5,7-tocol, α- and γ-tocopherol, and α- and γ-tocopheryl quinone by HPLC.
Targets(IC50)	Others

Solubility Information

Solubility	Ethanol: Soluble Ether: Soluble Hexane: Soluble Chloroform: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3999 mL	11.9993 mL	23.9987 mL
5 mM	0.480 mL	2.3999 mL	4.7997 mL
10 mM	0.240 mL	1.1999 mL	2.3999 mL
50 mM	0.048 mL	0.240 mL	0.480 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.

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