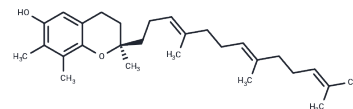


γ-Tocotrienol

Chemical Properties

CAS No. :	14101-61-2
Formula:	C ₂₈ H ₄₂ O ₂
Molecular Weight:	410.63
Appearance:	no data available
Storage:	store at low temperature, keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	γ-Tocotrienol (Plastochromanol) is one of the four types of tocotrienol, a type of vitamin E. It is also a radioprotector, antioxidant. It shows antitumor and antihypertensive effects in vivo.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 100 mg/mL (243.53 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4353 mL	12.1764 mL	24.3528 mL
5 mM	0.4871 mL	2.4353 mL	4.8706 mL
10 mM	0.2435 mL	1.2176 mL	2.4353 mL
50 mM	0.0487 mL	0.2435 mL	0.4871 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.

Reference

Hofer M, Hoferová Z, Falk M. Pharmacological Modulation of Radiation Damage. Does It Exist a Chance for Other Substances than Hematopoietic Growth Factors and Cytokines? Int J Mol Sci. 2017 Jun 28;18(7). pii: E1385. doi:

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