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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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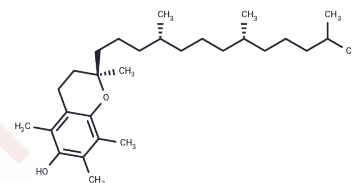
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α -Vitamin E

Chemical Properties

CAS No. :	59-02-9
Formula:	C ₂₉ H ₅₀ O ₂
Molecular Weight:	430.71
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	α -Vitamin E (Dexrabeprazole Sodium) is a naturally-occurring form of vitamin E, a fat-soluble vitamin with potent antioxidant properties.
Targets(IC50)	Others, Ferroptosis, Influenza Virus, Reactive Oxygen Species, Endogenous Metabolite, Antibacterial, PKC, GST
In vitro	vitamin E is capable of inducing necrosis in TC-1 cells and has antioxidant effects against nitric oxide[1].
In vivo	Vitamin E induces TC-1 cell necrosis in vivo and reduces tumor volume in TC-1 tumor-bearing mice. Vitamin E reduces myeloid derived suppressor cells(MDSCs) in tumors of TC-1 tumor-bearing mice and enhances T cell accumulation[1].
Cell Research	For in vitro cytotoxicity experiments, 1x10 ⁵ TC-1 cells per well are added to 24-well plates. Eighteen hours later, tumor cells are treated with Vitamin E (0, 25, 50 μ M). After 18 hours, apoptotic (Annexin V+ and 7AAD-) and necrotic (Annexin V+ and 7AAD+) cells are measured using PE Annexin V Apoptosis Detection Kit I. (Only for Reference)

Solubility Information

Solubility	DMSO: 12 mg/mL (27.86 mM), Saline: 430.71 mg/mL (58.04 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3217 mL	11.6087 mL	23.2175 mL
5 mM	0.4643 mL	2.3217 mL	4.6435 mL
10 mM	0.2322 mL	1.1609 mL	2.3217 mL
50 mM	0.0464 mL	0.2322 mL	0.4643 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

Kang TH, et al. PLoS One. 2014, 9(7):e103562.

Wang S, Li F, Qiao R, et al. Arginine-Rich Manganese Silicate Nanobubbles as a Ferroptosis-Inducing Agent for

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