

Vitamin K2

Chemical Properties

CAS No. : 11032-49-8

Formula:

Molecular Weight:

Storage: Keep away from direct sunlight
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	Vitamin K2 (Menatetrenone) is a menaquinone compound and form of vitamin K2 with potential antineoplastic activity. Menatetrenone may act by modulating the signaling of certain tyrosine kinases, thereby affecting several transcription factors including c-myc and c-fos. This agent inhibits tumor cell growth by inducing apoptosis and cell cycle arrest.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 31.25 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 3.13 mg/mL, Suspension. <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>

Reference

Ishizuka M, et al. AntiY Res. 2012 Dec;32(12):5415-20.

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