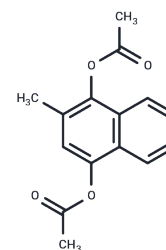


## Vitamin K4

## Chemical Properties

CAS No. :	573-20-6
Formula:	C <sub>15</sub> H <sub>14</sub> O <sub>4</sub>
Molecular Weight:	258.27
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Vitamin K4 (Menadiol Diacetate) is a vitamin medicine for the treatment of blood coagulation disorders that caused by the lack of VK4.
Targets(IC50)	Apoptosis,Endogenous Metabolite

## Solubility Information

Solubility	DMSO: 27.5 mg/mL (106.48 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	3.8719 mL	19.3596 mL	38.7192 mL
5 mM	0.7744 mL	3.8719 mL	7.7438 mL
10 mM	0.3872 mL	1.936 mL	3.8719 mL
50 mM	0.0774 mL	0.3872 mL	0.7744 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

Gropp J, et al. [Comparison of the biological activity and stability of menadione and menadiol in male chickens]. Z Ernährungswiss. 1990 Dec;29(4):219-28.  
Zhang H, Liang B, Sang X, et al. Discovery of Potential Inhibitors of SARS-CoV-2 Main Protease by a Transfer Learning Method. Viruses. 2023, 15(4): 891.

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