

## Vitamin K2

Cat. No.:	HY-109569		
CAS No.:	11032-49-8		
Molecular Formula:	C <sub>20</sub> H <sub>28</sub> O		
Molecular Weight:	284.44		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

# Vitamin K<sub>2</sub>

### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 50 mg/mL (175.78 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent	1 mg	5 mg	10 mg
	Concentration			
	1 mM	3.5157 mL	17.5784 mL	35.1568 mL
	5 mM	0.7031 mL	3.5157 mL	7.0314 mL
	10 mM	0.3516 mL	1.7578 mL	3.5157 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: 2.5 mg/mL (8.79 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: 2.5 mg/mL (8.79 mM); Suspended solution; Need ultrasonic

### BIOLOGICAL ACTIVITY

#### Description

Vitamin K2 is an endogenous metabolite.

### CUSTOMER VALIDATION

- J Agric Food Chem. 2023 Jan 31.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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