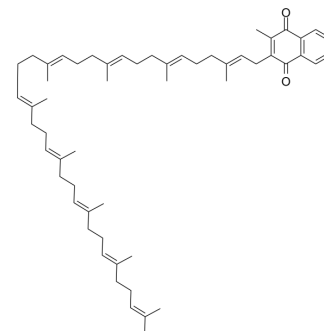


## Menaquinone 9

<b>Cat. No.:</b>	HY-131501		
<b>CAS No.:</b>	523-39-7		
<b>Molecular Formula:</b>	C <sub>56</sub> H <sub>80</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	785.23		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

Ethanol : 2 mg/mL (2.55 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.2735 mL	6.3676 mL	12.7351 mL
5 mM	---	---	---
10 mM	---	---	---

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

### BIOLOGICAL ACTIVITY

#### Description

Menaquinone 9 is a vitamin K2 (HY-109569) analog. Menaquinone 9 acts as a prothrombogenic agent and functional electron transfer component in nitrate reductase<sup>[1]</sup>.

### REFERENCES

[1]. T Ichihashi, et al. Colonic absorption of menaquinone-4 and menaquinone-9 in rats. J Nutr. 1992 Mar;122(3):506-12.

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

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