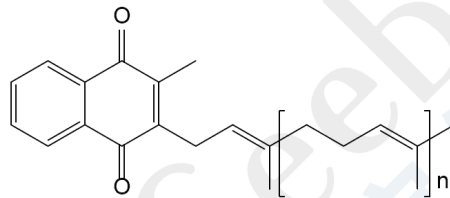
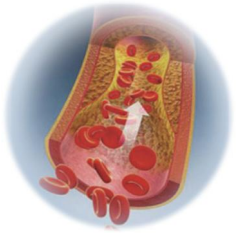


# 维生素K2 Vitamin K2

## MK-4 / MK-7

维生素K2不是单一的化合物，它是由一组必需的脂溶性维生素组成。他们的区别在于侧链中碳氢原子的数量饱和度不同，即“类异戊二烯”残基。这些差异在维生素K2基团中尤其明显，该基团包括侧链长度不同的甲萘醌。长度以特定的甲萘醌链的名称标记(例如:MK-4意味着4个类异戊二烯基团附着在主环上)，长度影响它们到达体内不同组织的能力。

Vitamin K2 is not a single compound – it consists of a group of essential fat-soluble vitamins. They differ in the saturation and number of attached carbon-hydrogen atoms in the sidechain, called “isoprenoid residues.” These differences are especially pronounced in the vitamin K2 group, which includes menaquinones with different lengths of the side chain. The length is marked in the name of the particular menaquinone chain (ex: MK-4 means 4 isoprenoid residues are attached to the main ring), and the length influences their abilities to reach different tissues within the body.

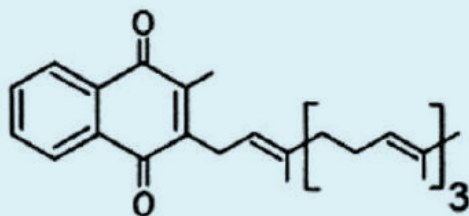


Vitamin K2; Menaquinone n=2~6  
维生素K2;甲萘醌 n=2~6

缩写 Abbreviation	产品名称 Product name	类异戊二烯基团 Isoprenoid residues	CAS号 CAS No.	分子式 Molecular formula	分子量 Molecular weight
MK-4	Vitamin K2(20)	4	863-61-6	C <sub>31</sub> H <sub>40</sub> O <sub>2</sub>	444.65
MK-7	Vitamin K2(35)	7	27670-94-6	C <sub>46</sub> H <sub>64</sub> O <sub>2</sub>	649.0

维生素 K2(20) (MK-4) 四烯甲萘醌  
Vitamin K2(20) (MK-4) Menaquinone-4

货号:185834  
Product Code: 185834



MK-4

### 别名/Alias:

Vitamin K2; Menaquinone; Menatetrenone;  
Menatetren; Menatetrenona; Menatetrenonum;  
Menaquinone-4; MK-4; 2-Methyl-3-[(2'E,6'E,10'E)  
-3',7',11',15'-tetramethylhexadeca-2',6',10',14'-  
tetraen-1'-yl]-1,4-naphthalenedione

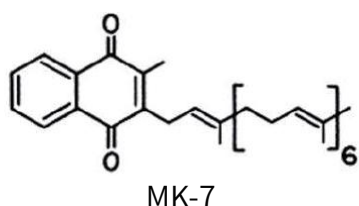
CAS No.: [863-61-6]  
分子式/Molecular Formula: C<sub>31</sub>H<sub>40</sub>O<sub>2</sub>  
分子量/Molecular Weight: 444.65

有效期/Period of validity: 2年/2 Years  
级别/ Grade: JP 16  
危险等级/ Dangerous grade: 无危险/Non-hazardous

辅料 Excipient	纯度 Purity
DCP (药用辅料:CaHPO <sub>4</sub> ) DCP (Pharm.excipient: CaHPO <sub>4</sub> )	1.3%, 2.0%
CD (药用辅料:环糊精) CD (Pharm.excipient: Cyclodextrin)	1.3%, 2.0%
MCC (药用辅料:微晶纤维素) MCC (Pharm.excipient: Microcrystalline Cellulose)	1.3%, 2.0%
油(葵花籽油/大豆油/橄榄油/MTC油) Oil (Sunflower seed/Soybean/Olive/MTC oil)	1.3%, 2.0%
粉末 Powder	98.0%

**维生素 K2(35) (MK-7) 七烯甲萘醌**  
**Vitamin K2(35) (MK-7) Menaquinone-7**

**货号:185837**  
**Product Code: 185837**



**别名/Alias:**

Vitamin K2; Menaquinone; Menaquinone-7;  
MK-7; (All-E)-2-(3,7,11,15,19,23,27-Heptamethyl  
-2,6,10,14,18,22,26-octacosaeptaenyl)-3-  
methyl-1,4-naphthalenedione

**CAS No.:** [27670-94-6]

**分子式/Molecular Formula:** C<sub>46</sub>H<sub>64</sub>O<sub>2</sub>

**分子量/Molecular Weight:** 649.0

**有效期/Period of validity:** 2年/2 Years

**级别/ Grade:** 食品级/Food Grade

**危险等级/ Dangerous grade:** 无危险/Non-hazardous

辅料 Excipient	纯度 Purity
DCP (药用辅料:CaHPO <sub>4</sub> ) DCP (Pharm.excipient: CaHPO <sub>4</sub> )	0.2%, 0.25%, 0.5%, 1.0%, 1.3%, 1.5%
CD (药用辅料:环糊精) CD (Pharm.excipient: Cyclodextrin)	0.2%, 0.25%, 0.5%, 1.0%, 1.3%, 1.5%
MCC (药用辅料:微晶纤维素) MCC (Pharm.excipient: Microcrystalline Cellulose)	0.2%, 0.25%, 0.5%, 1.0%, 1.3%, 1.5%
油(葵花籽油/大豆油/橄榄油/MTC油) Oil (Sunflower seed/Soybean/Olive/MTC oil)	0.2% ~ 5.0%
粉末 Powder	98.0%

**配方 Formulations**

- **维生素K2(20) (MK-4) 四烯甲萘醌 用于胶囊和片剂**  
Vitamin K2(20) (MK-4) Menaquinone-4 Capsules and Tablets
- **维生素K2(35) (MK-7) 七烯甲萘醌 于胶囊和片剂**  
Vitamin K2(35) (MK-7) Menaquinone-7 Capsules and Tablets



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