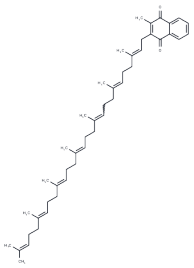
Data Sheet (Cat.No.T12001)

TargetMol

Menaquinone-7

Chemical Properties



CAS No. : 2124-57-4

Formula: C46H64O2

Molecular Weight: 649.00

Storage: Keep away from direct sunlight,Keep away from moisture
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	Menaquinone-7 (Vitamin K2(35)) is a vitamin K2 analog, is originally discovered as the anti-hemorrhagic factors. Menaquinone-7 (Vitamin K2(35)) is identified as the most bioactive cofactor for the carboxylation reaction of Gla-proteins.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: Insoluble, DMSO: 1.00 mg/mL (1.54 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5408 mL	7.7042 mL	15.4083 mL
5 mM	0.3082 mL	1.5408 mL	3.0817 mL
10 mM	0.1541 mL	0.7704 mL	1.5408 mL
50 mM	0.0308 mL	0.1541 mL	0.3082 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Thijssen, H H., et al., 1994. Vitamin K distribution in rat tissues: dietary phylloquinone is a source of tissue menaquinone-4. The British journal of nutrition. 72(3): 415-25.
Conly, J M., et al., 1994. The contribution of vitamin K2 (menaquinones) produced by the intestinal microflora to human nutritional requirements for vitamin K. The American journal of gastroenterology. 89(6): 915-23.
Peeters FECM, et al. Bicuspid Aortic Valve Stenosis and the Effect of Vitamin K2 on Calcification Using 18F-Sodium Fluoride Positron Emission Tomography/Magnetic Resonance: The BASIK2 Rationale and Trial Design. Nutrients. 2018 Mar 21;10(4). pii: E386.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481