

Vitamin K1-D4

Chemical Properties

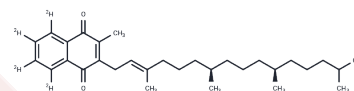
CAS No. : 5172-18-9

Formula: C₃₁H₄₆O₂

Molecular Weight: 454.72

Storage: 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	Vitamin K1-D4 is a deuterated compound of Vitamin K1. Vitamin K1 (T1075) has a CAS number of 84-80-0. Vitamin K1 (T1075) (Phylloquinone) is a naturally-occurring vitamin. Vitamin K1 (T1075) is essential for blood clotting, bone and vascular metabolism.
Targets(IC50)	Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1992 mL	10.9958 mL	21.9916 mL
5 mM	0.4398 mL	2.1992 mL	4.3983 mL
10 mM	0.2199 mL	1.0996 mL	2.1992 mL
50 mM	0.044 mL	0.2199 mL	0.4398 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

Basset GJ, et al. Phylloquinone (Vitamin K1): Occurrence, Biosynthesis and Functions. Mini Rev Med Chem. 2016 Jun 22.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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