

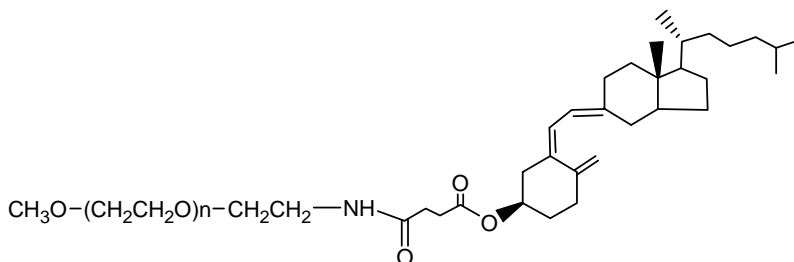
**TECHNICAL DATA SHEET****mPEG Vitamin D, MW 1k, 2k, 3400, 5k, 10k, 20k**

Catalog Numbers: PG1-VD-1k, 2k, 3k, 5k, 10k, 20k.

Synonym: PEG Vitamin D, Vitamin D PEG, Cholecalciferol PEG

**Description:**

**mPEG Vitamin D** is one of Nanocs' bioactive PEG derivatives that contain a vitamin D3 molecule at the one terminus of a linear PEG chain. Vitamin D is a fat-soluble secosteroids, also known as cholecalciferol (vitamin D3) or ergocalciferol (vitamin D2). Vitamin D is an essential component to enhancing intestinal absorption of calcium, iron, magnesium, phosphate and zinc. Polyethylene glycol modified vitamin D derivatives offered from Nanocs are mainly from the cholecalciferol derivatives. Pegylated vitamin D3 derivatives have good water solubility, flexible PEG linker structure and enhanced stability. These vitamin D PEG derivatives have been used successfully in cell membrane imaging, liposome particle formulation and many other applications.

**Product Structure:****Product Specifications:**

- Composition: Cholecalciferol PEG.
- Appearance: Off-white solid or semi-solid depends on molecular weight.
- Solubility: Soluble in water, chloroform, DMSO, DMF, etc.
- Stability: >6 months at -20 °C.

**Handling and Use:**

**mPEG Vitamin D** should always be kept in low temperature in dry condition. Prepare fresh solution right before use. Avoid frequent thaw and freezing. For more information about using this product, visit [www.nanocs.net](http://www.nanocs.net).

**Storage Conditions:**

**Vitamin D PEG** should be stored at -20 °C. Desiccate. Protect from light. Re-test material after 6 months.

**This product is for research use only and is not intended for use in humans or for diagnostic use.**

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