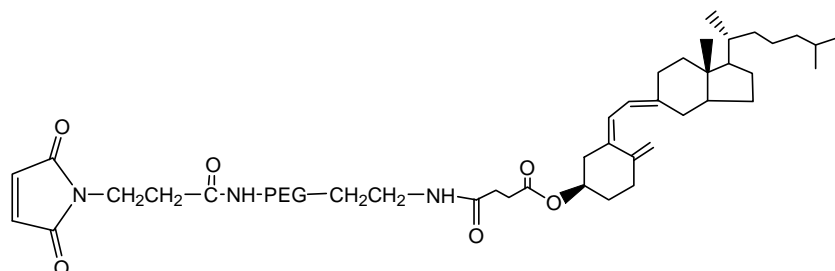


TECHNICAL DATA SHEET**Vitamin D PEG Maleimide, MW 1k, 2k, 3400, 5k, 10k, 20k**

Catalog Numbers: PG2-MLVD-1k, 2k, 3k, 5k, 10k, 20k.

Description:

Vitamin D PEG Maleimide is one of Nanocs' bioactive PEG derivatives that can react with free thiol groups. 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 by NANOCS are mainly from the modification of cholecalciferol. These vitamin D3 derivatives have good water solubility yet remain the functionalities of vitamin D. Maleimide functionalized Vitamin D PEG is able to react with thiol groups that allows the attachment of Pegylated vitamin D to other materials. Our vitamin D PEG derivatives have been used successfully in cell membrane imaging, liposome particle formation and many other applications. As a leading vitamin PEG provider, Nanocs now offers a variety functionalized PEG with different vitamin molecules.

Product Structure:**Product Specifications:**

- Composition: Cholecalciferol PEG Maleimide.
- Appearance: White to off-white solid or semi-solid depends on molecular weight.
- Solubility: Soluble in water, chloroform, DMSO, DMF, etc.
- Reactive group: Maleimide.
- Reactive to: Sulfhydryl/thiol.

Handling and Use:

Vitamin D PEG Maleimide 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.

Storage Conditions:

Vitamin D PEG Maleimide 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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