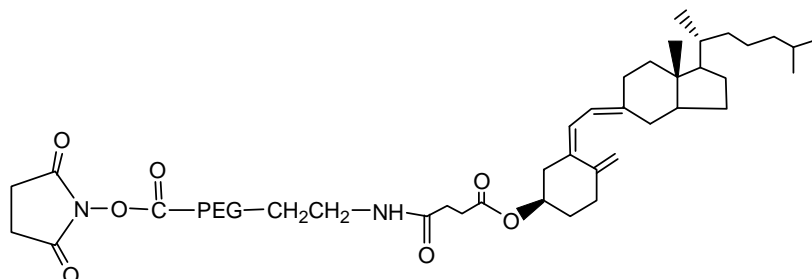


TECHNICAL DATA SHEET**Vitamin D PEG NHS, MW 1k, 2k, 3400, 5k, 10k, 20k**

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

Description:

Vitamin D PEG NHS is one of Nanocs' bioactive PEG derivatives that have a vitamin D molecule linked on 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 by NANOCS are mainly from the modification of cholecalciferol. NHS group on this molecule is reactive to primary amines. Reaction between NHS and amine allows attachment of pegylated cholecalciferol to different substrates. 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 NHS.
- Appearance: White to off-white solid or semi-solid depends on molecular weight.
- Solubility: Soluble in water, chloroform, DMSO, DMF, etc.
- Reactive group: NHS.
- Reactive to: Primary amine.

Handling and Use:

Vitamin D PEG NHS 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 NHS 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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