

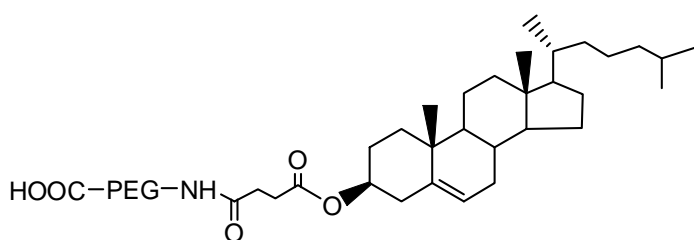
TECHNICAL DATA SHEET**Cholesterol PEG Acid, MW 1k, 2k, 3400, 5k, 10k, 20k**

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

Synonym: Cholesteryl PEG acid, Carboxylic PEG Cholesterol, Cholesterol PEG COOH

Description:

Cholesteryl PEG acid (Cholesterol-PEG-COOH) is one of Nanocs' reactive Cholesterol PEG derivatives that have a terminal carboxylic group. Cholesterol is an essential lipid component to build and maintain basic animal cell function. It is one of animal cell-membrane structure components and establishes proper membrane permeability and fluidity in animal cells. In addition to its structural function, cholesterol is also the important precursor for the biosynthesis of steroid hormones, bile acids and vitamin D. Cholesterol is a hydrophobic molecule with very low water solubility. Carboxylic acid functional Cholesterol PEG can be activated to react with amine or hydroxyl groups. **Cholesterol PEGs** offered by Nanocs have good water solubility, flexible linker structure and diverse functionalities. These cholesterol PEG derivatives have been used successfully in cell membrane imaging, liposome formulation and drug delivery.

Product Structure:**Product Specifications:**

- Composition: **Cholesterol PEG Acid**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO.
- Functional group: Cholesterol.

Handling and Use:

Cholesteryl PEG acid is sensitive to moisture and temperature. For best use, material 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:

Cholesterol PEG acid should be stored at -20 °C. Desiccate. Materials may be handled under inert gas for best stability. 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.

Related Products:

Cholesterol PEG NHS	Cholesterol PEG FITC
Cholesterol PEG DBCO	Cholesterol PEG Azide
Cholesterol PEG Biotin	Cholesterol PEG Amine
Cholesterol PEG Maleimide	

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