

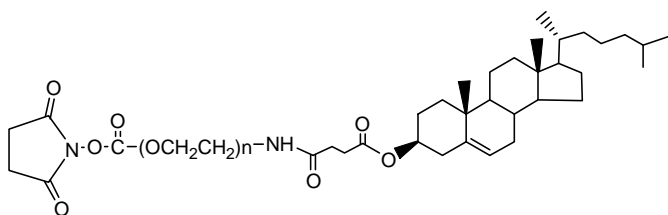
TECHNICAL DATA SHEET**Cholesterol PEG NHS, MW 600, 1k, 2k, 3400, 5k, 10k, 20k**

Catalog Numbers: PG2-CSNS-600, 1k, 2k, 3k, 5k, 10k, 20k.

Synonym: NHS PEG Cholesterol, Cholesteryl PEG NHS

Description:

Cholesterol PEG NHS is one of Nanocs' amine reactive cholesterol PEG derivatives. **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. NHS functional PEG cholesterol can react with primary amine groups at pH 7-10 with high reactivity and specificity. PEG linker between Cholesterol and NHS offers better water solubility, flexible linker structure and enhanced stability. **Cholesteryl PEG NHS** are soluble in water and reactions can be carried out in aqueous buffer without need any organic solvents. Functional cholesterol PEG derivatives can be used for cell membrane imaging, liposome formulation and drug delivery.

Product Structure:**Product Specifications:**

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

Handling and Use:

Cholesteryl PEG NHS 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:

NHS PEG Cholesterol 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 Maleimide	Cholesterol PEG FITC
Cholesterol PEG NH ₂	Cholesterol PEG Biotin
Cholesterol PEG COOH	Cholesterol PEG Azide
Cholesterol PEG Folate	

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