

TECHNICAL DATA SHEET

Cholesterol PEG Maleimide, MW 600, 1k, 2k, 3400, 5k, 10k, 20k

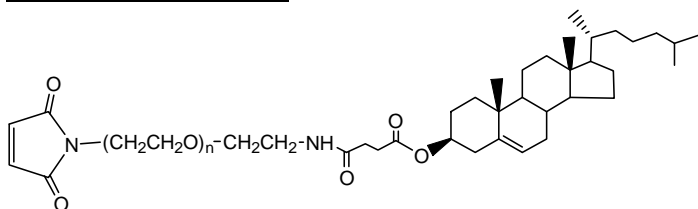
Catalog Numbers: PG2-CSML-600, 1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Maleimide PEG Cholesterol, Cholesteryl PEG Maleimide, Chol PEG Mal

Description:

Cholesterol PEG Maleimide is one of Nanocs' thiol 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. **Maleimide** functional PEG cholesterol reacts with free **thiol/sulphydryl** group from small molecules, proteins, antibodies or peptides with high specificity. PEG linker between maleimide and cholesterol offers better water solubility, flexible linker structure and enhanced stability. Nanocs' Maleimide PEG Cholesterol is soluble in water and all reactions can be carried out in aqueous buffer without need any organic solvents. These reactive cholesterol PEG derivatives can be used for cell membrane imaging, liposome formulation and drug delivery.

Product Structure:



Product Specifications:

- Composition: **Cholesterol PEG Maleimide**
- 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: Maleimide.

Handling and Use:

Cholesteryl PEG Maleimide 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:

Maleimide 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 NHS	Cholesterol PEG FITC
Cholesterol PEG NH2	Cholesterol PEG Biotin
Cholesterol PEG COOH	Cholesterol PEG Azide
Cholesterol PEG Folate	

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