

TECHNICAL DATA SHEET

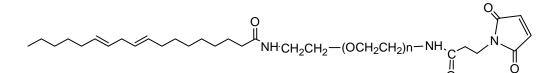
Linoleic acid PEG Maleimide, MW 1000, 2000, 3400, 5000, 10k, 20k

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

Description:

Linoleic acid PEG maleimide is one of Nanocs' multifunctional fatty acid lipid PEG products that have been used for targeted drug delivery, nanoparticle functionalization and liposome formulation. Linoleic acid is an omega-6 fatty acid with two cis double bonds and is highly hydrophobic. Linoleic acid is one of the essential fatty acids that must be consumed for proper health. Pegylated linoleic acid has excellent amphilphilic properties and offer superior advantages for small and large molecule modification, encapsulation and targeted delivery. Maleimide group in this molecule can react with thiol group at neutral pH with high specificity that allows conjugation of linoic acid PEG to targeted substrates.

Product Structure:



Product Specifications:

- Composition: Linoleic acid PEG Maleimide.
- Appearance: White to off-white solid.
- Solubility: >5 mg/mL in hot water, chloroform, ethanol, clear.
- Reactive group: Maleimide.
- Reactive to: Sulfhydryl/thiol.

Handling and Use:

Linoleic acid 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:

Linoleic acid PEG Maleimide should be stored at -20 °C. Desiccate. Protect from air and moisture. 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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