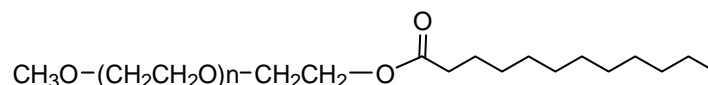


TECHNICAL DATA SHEET**MPEG-Lauric acid, MW 550, 750, 1000, 2000, 5000, 10k, 20k**

Catalog Numbers: PG1-LRA-550, 750, 1k, 2k, 5k, 10k, 20k.

Description:

mPEG Lauric acid is one of Nanocs' fatty acid PEG derivatives. Lauric acid is a 12 carbon saturated fatty acid lipid with good hydrophobicity. PEG linker attached to lauric acid, on the other hand, offers good hydrophilicity. Pegylated lauric acid demonstrates excellent amphiphilic properties and it offers superior advantages for small and large molecule encapsulation and targeted delivery. Nanocs provides a variety of multifunctional lipid PEG products which have been used for targeted drug delivery, nanoparticle functionalization, liposome formulation and many other applications. Pegylated lipids have increased solubility and stability of modified peptides, antibodies, proteins and other materials. Pegylation also suppresses the non-specific binding of charged molecules to the modified surfaces.

Product Structure:**Product Specifications:**

- Composition: MPEG-Lauric acid, mPEG-LRA.
- Appearance: White to off-white solid.
- Solubility: >10 mg/mL in hot water, chloroform, etc.
- Stability: 12 months at -20 °C.

Handling and Use:

mPEG Lauric acid 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:

Lauric acid PEG should be stored at -20 °C. Desiccate. Re-test material after 12 months.

This product is for research use only and is not intended for use in humans or for diagnostic use.

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