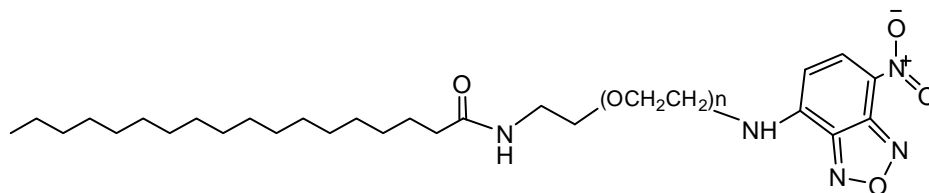


TECHNICAL DATA SHEET**Stearic Acid PEG NBD, MW 2000, 3400, 5000, 10k, 20k**

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

Description:

Stearic acid PEG NBD is one of Nanocs' fluorescent fatty acid lipid PEG derivatives that have a stearic acid and a NBD fluorescent dye linked covalently through a linear PEG chain. Stearic acid is an 18 carbon saturated fatty acid with high hydrophobicity. NBD (2-(4-nitro-2,1,3-benzoxadiazol) is a fluorescent dye with excitation/emission wavelength at 458 nm/530 nm. PEG linker bridged stearic acid and NBD offers good water solubility, flexible spacer length and high photostability. Fluorescent fatty acid lipids are excellent probes for cell membranes. They can also be used for liposome and other lipophilic nanoparticles tracking and imaging.

Product Structure:**Product Specifications:**

- Composition: **Stearic acid PEG NBD.**
- Appearance: Yellow to orange/dark solid.
- Solubility: 5 mg/mL, clear in water, chloroform, DMSO.
- Ex/Em wavelength: 458 nm/530 nm.

Handling and Use:

Stearic acid PEG NBD 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:

NBD PEG Stearic acid should be stored at <4 °C. Desiccate. Protect from light. 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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