

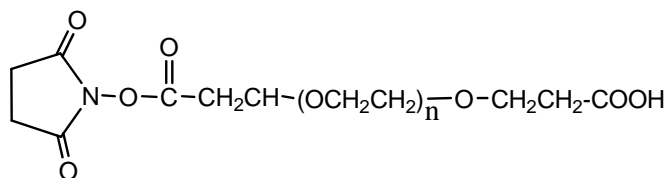
TECHNICAL DATA SHEET**NHS PEG COOH, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: NHS PEG acid, Carboxylic PEG NHS

Description:

NHS PEG acid (or NHS PEG COOH) is one of Nanocs' heterobifunctional polyethylene glycol derivatives that contain a NHS and a carboxylic acid (COOH) group on each PEG terminus. NHS (N-hydroxysuccinimidyl ester) is an amine (-NH₂) reactive group that reacts with primary amines in pH 7-10 to form a stable amide bond. Because of its excellent amine reactivity, NHS-PEG-COOH is a useful PEG reagent to transform amine functionality to carboxylic acid functionality. Resulted carboxylic group can be used for other crosslinking reactions. PEG linker between amine and acid group offers better water solubility, less steric hindrance and enhanced stability.

Product Structure:**Product Specifications:**

- Composition: NHS PEG carboxylic acid.
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO.
- Stability: 6 months at -20 °C.

Handling and Use:

NHS PEG acid 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:

Carboxylic acid PEG NHS 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:

Biotin PEG NHS
NHS PEG COOH
NHS PEG DBCO

FITC PEG NHS
Maleimide PEG NHS
NHSPEG Biotin

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