

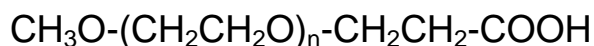
TECHNICAL DATA SHEET**Methoxy PEG Carboxylic Acid, mPEG-COOH**

Catalog Numbers: PG1-CA-350, 550, 750, 1k, 2k, 5k, 10k, 20k, 30k, 40k.

Synonym: mPEG-COOH, mPEG acid, Methoxypolyethylene glycol acid, PEG acid

Description:

Methoxy polyethylene glycol acid (mPEG-COOH) is one of Nanocs' carboxylic acid (-COOH) functionalized polyethylene glycol derivatives that can be used to modify proteins, peptides, particles and other materials with their free acid group. Carboxylic acid groups react readily with amine groups to form stable amide bond. They can also react with hydroxyl groups to form labile ester bond which can be cleaved under acidic or basic conditions. PEGylation can increase solubility and stability and reduce immunogenicity of peptides and proteins. It can also suppress the non-specific binding of charged molecules to the modified surfaces. Acid functionalized PEG has broad applications in the field of medical device modification, biomolecule pegylation and particle surface functionalization.

Product Structure:**Product Specifications:**

- Composition: mPEG carboxylic acid.
- Appearance: White/off-white solid, semi-solid or liquid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO, etc.
- Reactive group: Carboxylic acid (COOH).

Handling and Use:

PEG 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:

mPEG acid should be stored at 4~8 °C. Materials may be handled under inert gas for best stability. 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.

Related Products:mPEG NHS
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mPEG Maleimide
mPEG aldehyde**To Order:**Order online: www.nanocs.netOrder by Email: sales@nanocs.com

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