

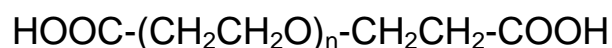
TECHNICAL DATA SHEET**Bis-carboxylic acid PEG, HOOC-PEG-COOH**

Catalog Numbers: PG2-CA-400, 600, 1k, 2k, 3k, 5k, 10k, 20k, 30k.

Synonym: Acid PEG acid

Description:

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

Product Structure:**Product Specifications:**

- Composition: Carboxylic PEG 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.
- Stability: >12 months at 4~8 °C.

Handling and Use:

Acid 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:

Bis-acid PEG 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:Amine PEG Amine
NHS PEG Acid
Biotin PEG AcidAmino PEG Acid
HO PEG COOH**To Order:**Order online: www.nanocs.netOrder by Email: sales@nanocs.comOrder by phone: 1(800) 388-4221; 1(888)
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