NANOCS

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TECHNICAL DATA SHEET

Hydrazide PEG Hydrazide, MW 600, 1000, 2000, 3400, 5000, 10k, 20k.

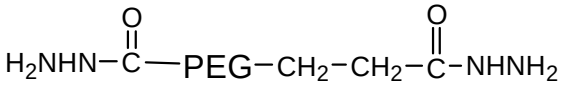
Catalog Numbers: PG2-HZ-600, 1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Bis-Hydrazide PEG, NH2NH-PEG-NHNH2

Description:

Nanocs bis-hydrazide functionalized polyethylene glycol (NH_2NH-PEG-$NHNH_2$) is a homobifunctional carbonyl reactive PEG derivative that can be used to modify carbohydrates, glycosylated antibodies, proteins, peptides and enzymes. Hydrazide reacts readily with carbonyl group (aldehyde or ketone) derived from polysaccharides to form a stable hydrazon bond, which is more stable than the Schiff base formed between amine and aldehyde group. Reaction of hydrazide and carbonyl enables conjugation of functionalized PEG molecules to various targeted biomolecules and material surface.

Product Structure:



Product Specifications:

- Composition: **Hydrazide PEG Hydrazide**.
- Appearance: White/off-white solid, semi-solid or liquid depends on molecular weight.
- Solubility: Soluble in water, chloroform, DMSO, etc.
- Reactive group: Hydrazide.
- Reactive to: Carbonyl group.

Handling and Use:

Hydrazide PEG Hydrazide 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:

Hydrazide PEG Hydrazide should be stored at 4~8 ^{0}C. Desiccate. 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:

Hydrazide PEG Azide
Hydrazide PEG Biotin
Hydrazide PEG Maleimide
Hydrazide PEG COOH

To Order:

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