

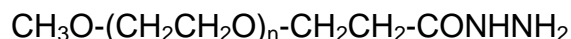
TECHNICAL DATA SHEET**Methoxyl PEG hydrazide, mPEG Hydrazide**

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

Synonym: PEG Hydrazide, Hydrazide PEG

Description:

Nanocs' hydrazide (-NHNH₂) functionalized methoxy polyethylene glycol (mPEG-NHNH₂) is a mono reactive PEG derivative that can be used to modify carbohydrates, proteins, peptides, particles and other materials with its hydrazide group. Hydrazide reacts readily with aldehyde or ketone to form a hydrazon bond, which is more stable than the Schiff base formed between amine and aldehyde group. Reaction between hydrazide and carbonyl allows the attachment of PEG chain to targeted molecules and other materials quickly and efficiently. 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. This material has broad applications in the field of medical device modification, biomolecule pegylation as well as particle surface functionalization.

Product Structure:**Product Specifications:**

- Composition: **mPEG hydrazide.**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Purity: > 95%.
- Solubility: Soluble in water, ethanol, chloroform, DMSO, etc.
- Stability: 12 months at 4~8 °C.

Handling and Use:

PEG hydrazide is relatively stable in low 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:

mPEG Hydrazide should be stored at 4~8 °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.

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Order by phone: 1(800) 388-4221; 1(888) 908-8803

For more information, visit www.nanocs.net