

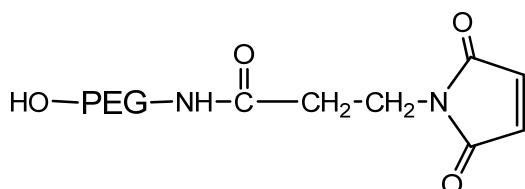
**TECHNICAL DATA SHEET****Maleimide PEG OH, MW 2000, 3400, 5000, 10k, 20k**

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

Synonym: Maleimide PEG hydroxy, Hydroxyl PEG Maleimide, HO PEG Maleimide

**Description:**

**Maleimide PEG hydroxyl** (Mal-PEG-OH) is one of Nanocs' reactive heterofunctionalized polyethylene glycol derivatives that are reactive to free sulfhydryl/thiol groups. Maleimide reacts readily with free thiol groups at pH 6.5~7.5 to form a stable thioether bond. PEG linker between maleimide and OH groups offers better water solubility, less steric hindrance and enhanced stability. Maleimide PEG is a commonly used site-specific pegylation reagent to modify proteins, peptides and antibodies via their cysteine residues. Hydroxyl group can be used for further crosslinking reactions. PEGylation can increase stability and reduce immunogenicity of modified peptides and proteins. It can also suppress the non-specific binding of charged molecules to the modified surfaces.

**Product Structure:****Product Specifications:**

- Composition: **Maleimide PEG Hydroxy.**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO.
- Reactive groups: Maleimide, OH.
- Reactive to: Sulfhydryl, COOH.

**Handling and Use:**

**Maleimide PEG hydroxy** 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](http://www.nanocs.net).

**Storage Conditions:**

**Maleimide PEG OH** 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:**

Maleimide PEG FITC  
Maleimide PEG NHS  
DSPE PEG Maleimide

Maleimide PEG NH2  
Maleimide PEG Azide  
Maleimide PEG COOH

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