

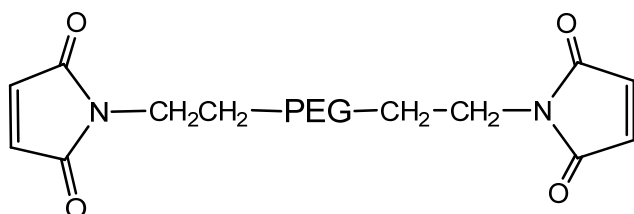
TECHNICAL DATA SHEET**Maleimide PEG maleimide, MW 400, 600, 1000, 2000, 3400, 5000, 10k, 20k**

Catalog Numbers: PG2-ML-400, 600, 1k, 2k, 3k, 5k, 10k, 20k

Synonym: PEG bis-maleimide, Bis-maleimide PEG, Di-maleimide PEG

Description:

Maleimide PEG Maleimide is one of Nanocs' reactive homobifunctionalized polyethylene glycol (Mal-PEG-mal) cross-linkers that have two maleimide groups on each PEG molecule. **Bis-maleimide PEG** is a thiol/sulfhydryl group (-SH) reactive PEG derivative that can be used to modify proteins, peptides, particles and other materials via their available thiol groups. Maleimide reacts readily with free thiol groups at pH 6.5~7.5 to form a stable thioether bond. Thiol groups on biomolecules or other materials can be easily linked to each other with this homobifunctional PEG cross-linker. PEG chain between two maleimide groups offers better water solubility, flexible linker length and enhanced stability.

Product Structure:**Product Specifications:**

- Composition: **Maleimide PEG maleimide.**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: >10 mg/mL in water, chloroform, DMSO, etc.
- Reactive group: **Maleimide.**
- Reactive to: **Sulfhydryl/thiol.**

Handling and Use:

Bis-maleimide PEG 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.

Storage Conditions:

PEG bis-maleimide 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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