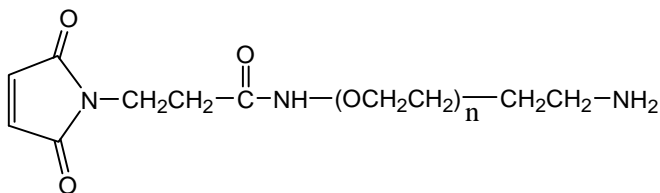


TECHNICAL DATA SHEET**Maleimide PEG NH₂, MW 600, 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Maleimide PEG amine, Amino PEG Maleimide, NH₂ PEG Maleimide**Description:**

Maleimide PEG amine (Mal-PEG-NH₂) is one of Nanocs' heterobifunctional polyethylene glycol crosslinkers that contain a thiol reactive maleimide group and a reactive primary amine group. Maleimide reacts readily with thiol groups at pH 6.5~7.5 to form a stable thioether bond while amine group can react with carboxyl, NHS and many other groups. PEG linked maleimide amine crosslinkers have good water solubility and are easy to use. All Pegylation or crosslinking reactions can be carried out in aqueous buffer without need adding any organic solvents.

Product Structure:**Product Specifications:**

- Composition: **Maleimide PEG NH₂.**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO, etc.
- Reactive groups: Maleimide and amine.
- Reactive to: Sulfhydryl, NHS.

Handling and Use:

Maleimide PEG amine 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:

Amino PEG 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 acid
Maleimide PEG NHS
Silane PEG Maleimide
SMCC PEG NH₂

Maleimide PEG FITC
Maleimide PEG Biotin
DBCO PEG Maleimide

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