

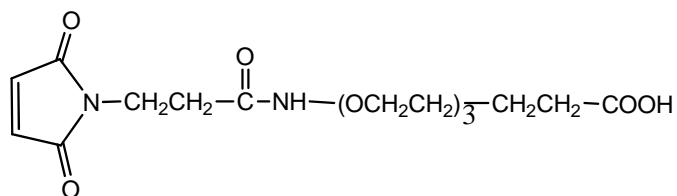
TECHNICAL DATA SHEET**Maleimide PEG COOH, MW 600, 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Maleimide PEG acid, Mal PEG COOH, Carboxylic acid PEG Maleimide, HOOC PEG Maleimide, Acid PEG Maleimide

Description:

Maleimide PEG acid (Mal-PEG-COOH) is one of Nanocs' heterobifunctional polyethylene glycol crosslinkers that contain a thiol reactive maleimide and a carboxylic group. Maleimide group reacts with sulfhydryl groups quickly and specifically at pH 6.5-7.5 while carboxylic group (-COOH) can be activated to react with amine, hydroxy and other functional groups. PEG linker between Maleimide and carboxylic group offers good water solubility, flexible linker structure and enhanced stability.

Product Structure:**Product Specifications:**

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

Handling and Use:

Maleimide PEG acid 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:

Maleimide PEG COOH should be stored at -20 °C. Desiccate. Protect from light. 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 NH₂
Maleimide PEG NHS
Silane PEG Maleimide
SMCC PEG NH₂

Maleimide PEG FITC
Maleimide PEG Biotin
DBCO PEG Maleimide

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