

**TECHNICAL DATA SHEET**

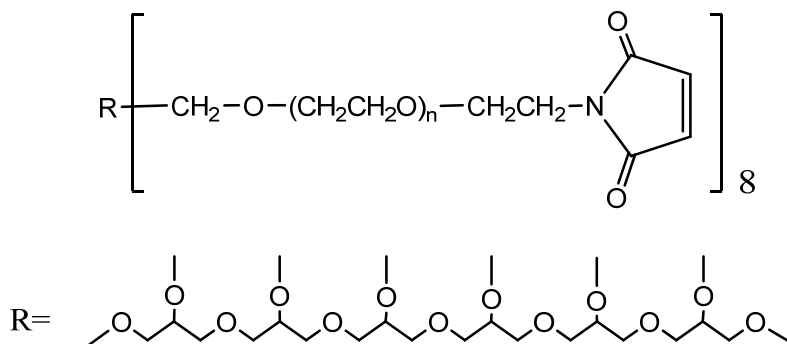
## 8 Arm PEG Maleimide, MW 5k, 10k, 20k, 40k

Catalog Numbers: PG8A-ML-5k, 10k, 20k, 40k.

### Description:

**Eight arm PEG maleimide** is one of Nanocs' multifunctional thiol reactive polyethylene glycol (PEG) derivatives. This branched **maleimide PEG** derivative has 8 maleimide groups on each PEG core. Maleimide group reacts readily with reduced thiol groups from naturally occurring or mutagenically derived cysteine residues. This reaction proceeds readily at pH 6.5~7.5 to form a stable thioether bond. Multi-branched Maleimide functional PEG is an excellent material to form biocompatible and biodegradable hydrogel through crosslinking reaction of thiol bearing material.

### Product Structure:



### Product Specifications:

- Composition: **8 Arm Maleimide PEG.**
- Appearance: White to off-white solid or semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO.
- Reactive group: **Maleimide.**
- Reactive to: Sulfhydryl group.

### Handling and Use:

For best use, **8 arm Maleimide PEG** 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:

**8 Arm PEG maleimide** should be stored at -20 °C. Desiccate.

**This product is for research use only and is not intended for use in humans or for diagnostic use.**

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