http://www.nanocs.net
Tel: 1(800)388-4221
Fax: 1(917)591-2212
Email: info@nanocs.com

TECHNICAL DATA SHEET

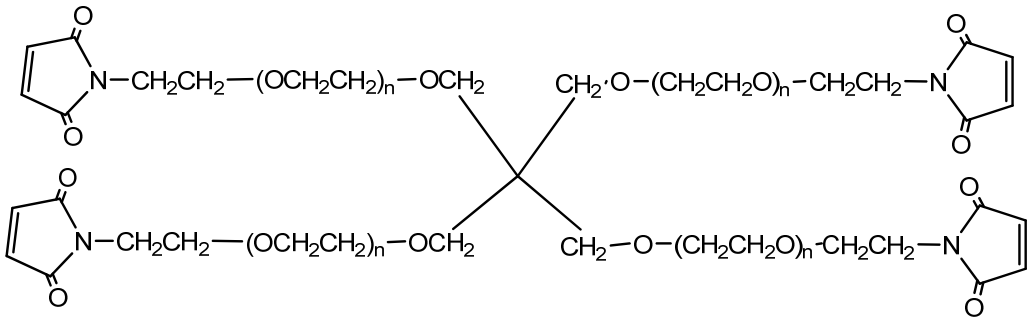
4 Arm PEG Maleimide, MW 2000, 5000, 10k, 20k

Catalog Numbers: PG4A-ML-2k,-5k, 10k, 20k.

Description:

4 arm PEG Maleimide is one of Nanocs' multi-branchedl reactive polyethylene glycol (PEG) derivatives that can react with sulfhydryl groups (-SH). Nanocs' 4 arm branched PEG Maleimide has 4 **maleimide** groups on each star-shaped PEG core molecule. Maleimide group reacts readily with thiol groups from naturally occurring or mutagenically derived cysteine residues. This reaction proceeds quickly and efficiently at pH 6.5~7.5 to form a stable thioether bond. Multi-branched Maleimide PEG is an excellent biocompatible material that can form hydrogel when reacting with polymers with multiple thiol groups.

Product Structure:



Product Specifications:

- Composition: **4 Arm PEG Maleimide**.
- Appearance: White to off-white solid or semi-solid depends on molecular weight.
- Solubility: 5 mg/mL, clear in water, chloroform, DMSO.
- Reactive group: Maleimide.
- Reactive to: Sulfhydryl group.

Handling and Use:

For best use, **4 arm PEG Maleimide** 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:

4 arm PEG Maleimide should be stored at -20 ^{0}C. Desiccate. 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.