

#### **TECHNICAL DATA SHEET**

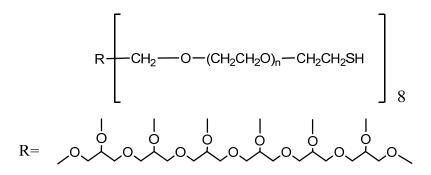
# 8 Arm PEG Thiol, MW 5k, 10k, 20k, 40k

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

### **Description:**

**8** arm PEG thiol is one of Nanocs' multifunctional polyethylene glycol (PEG) derivatives. Our multi-arm thiolated PEG provides multiple free thiol groups on each PEG core molecule. Thiol functionalized PEG has free sulfhydryl groups that can react with maleimide, pyridyldithio and many other thiol reactive groups. Multi-branched thiol PEG is an excellent material to form biocompatible and biodegradable hydrogel once reacting with other thiol reactive materials.

## Product Structure:



#### **Product Specifications:**

- Composition: 8 Arm PEG thiol.
- Appearance: White to off-white solid or semi-solid depends on molecular weight.
- Functional group: Sulfhydryl/thiol. Purity: >90%.

#### Handling and Use:

Multi-arm PEG thiol has tendency to form disulfide bond among its free thiols. You may need add reducing agents, such as DTT, TCEP to release free thiols. For best use, material should always be kept in low temperature in inert gas atomosphere. Prepare fresh solution right before use. Avoid frequent thaw and freezing. For more information about using this product, visit **www.nanocs.net**.

#### **Storage Conditions:**

8 arm thiol PEG should be stored at -20 °C. Desiccate. Protect from light. Re-test material after 12 months.

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

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