

TECHNICAL DATA SHEET

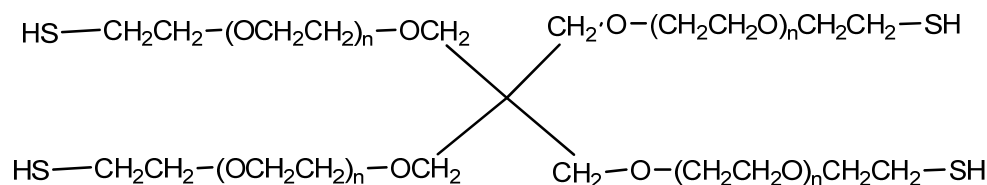
4 Arm PEG Thiol, MW 2000, 5000, 10k, 20k

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

Description:

4 arm PEG thiol is one of Nanocs' reactive multifunctional 4 arm polyethylene glycol (PEG) derivatives. 4 arm PEG thiols have four free sulfhydryl functional groups on each star-shaped PEG core molecule. Thiol functionalized PEG derivatives have reduced sulfhydryl groups that can easily react with **maleimide**, **pyridyldithiol** and many other thiol reactive groups. 4 armed PEG thiols have four terminal thiol groups that can be used for crosslinking reaction. Because of their tendency to form disulfide bond, part of these 4 arm PEG thiols may have crosslinked to each other. Reducing process may be necessary if free thiol is a requirement.

Product Structure:



Product Specifications:

- Composition: **4 Arm PEG thiol.**
- Appearance: White to off-white solid or semi-solid depends on molecular weight.
- Solubility: Soluble in water, chloroform, DMSO.
- Stability: >6 months at -20 °C.

Handling and Use:

For best use, **4 arm thiol 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.

Storage Conditions:

4 arm PEG thiol should be stored at -20 °C. Desiccate. Material may be partially crosslinked. Disulfide bond reduction may be needed by DTT or TCEP to fully release sulfhydryl groups.

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

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