

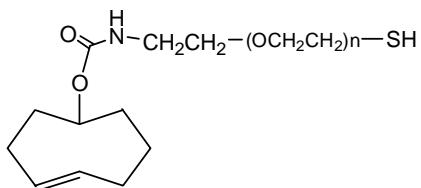
TECHNICAL DATA SHEET**TCO PEG Thiol, MW 2000, 3400, 5000, 10k, 20k**

Catalog Numbers: PG2-TCTH-2k, 3k, 5k, 10k, 20k

Synonym: TCO PEG SH, Thiol PEG TCO, Sulfhydryl PEG TCO

Description:

TCO (transcyclooctene) PEG Thiol (TCO-PEG-SH) is one of Nanocs' copper free Click Chemistry PEG crosslinkers that contain a terminal TCO and a thiol group linked through a linear PEG chain. TCO PEG thiol can react with tetrazine group via copper free click chemistry. Click chemistry reaction of **TCO** and **tetrazine** is a bioorthogonal reaction that enables the conjugation of two molecules in aqueous solution fast and efficiently. Meanwhile, sulfhydryl (thiol) group can react with many thiol reactive groups, such as Maleimide and pyridyldisulfide. It can also bind to the surface of gold particles with high affinity. Compared to other click chemistry reagents, TCO PEG derivatives possess fast kinetics and have excellent water solubility; all reactions can be carried out in aqueous buffer without need adding any organic solvents.

Product Structure:**Product Specifications:**

- Composition: **TCO PEG Thiol.**
- Appearance: White/Off-white solid.
- Solubility: Soluble in water and DMSO.
- Reactive groups: TCO and Thiol.
- Reactive to: Tetrazine.

Handling and Use:

TCO PEG Thiol 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:

Thiol PEG TCO should be stored at -20 °C. Desiccate. 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:TCO PEG NHS
TCO PEG BiotinTCO PEG Maleimide
TCO PEG FITC**To Order:**Order online: www.nanocs.netOrder by Email: sales@nanocs.comOrder by phone: 1(800) 388-4221; 1(888)
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