

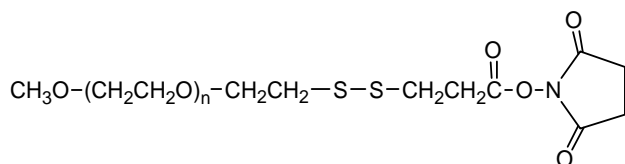
TECHNICAL DATA SHEET**Methoxy polyethylene glycol dithio succinimidyl ester, mPEG-SS-NHS**

Catalog Numbers: PG1-SS-NS-1k, 2k, 5k, 10k, 20k, 30k, 40k.

Synonym: mPEG-dithio-NHS

Description:

Dithiol N-hydroxysuccinimide (NHS) functionalized methoxy polyethylene glycol (**mPEG-SS-NHS**) is an amine (-NH₂) reactive, disulfide bond containing PEG derivative that can be used to modify protein, peptide or any other surfaces with available amino groups. **Disulfide PEG NHS** esters react with primary amine groups at pH 7~10 to form stable amide bonds. Compared to other PEG NHS ester derivatives, disulfide bond in this compound can be cleaved by dithiol reducing reagents such as DTT or TCEP. Cleavable disulfide bond provides additional power for controlled amine pegylation.

Product Structure:**Product Specifications:**

- Composition: **mPEG dithio NHS.**
- Appearance: White/Off-white solid or semi-solid depends on molecular weight.
- Purity: > 95%;
- Solubility: Soluble in water, ethanol, chloroform, DMSO, etc.
- Stability: 6 months at -20 °C.

Handling and Use:

PEG dithio NHS esters readily undergo hydrolysis at elevated temperature. 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:

mPEG-SS-NHS should be stored at -20 °C. Desiccate. Protect from light. 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:

mPEG-SA-NHS
mPEG Maleimide
mPEG thiol

mPEG-GA-NHS
mPEG azide
mPEG amine

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