

TECHNICAL DATA SHEET

Thiol PEG NHS, MW 1000, 2000, 3400, 5000, 10k, 20k

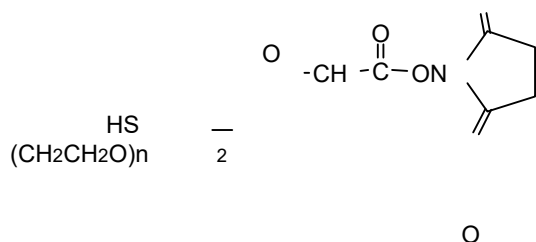
Catalog Numbers: TH-0001 -1k, 2k, 3k, 5k, 10k, 20k.

Synonym: NHS PEG Thiol, HS-PEG-NHS, Sulfhydryl PEG NHS

Description:

Thiol PEG NHS is one of Click Bioprobe's reactive heterofunctional polyethylene glycol (**HS-PEG-NHS**) thiolation reagents. NHS functionalized PEG thiol is highly reactive to primary amine ($-NH_2$) groups at alkaline pH. It is a useful water soluble thiolation reagent that can convert primary amine groups to free thiols. PEG linker between thiol and NHS offers with better water solubility, flexible linker structure and enhanced stability. NHS reacts with amine groups in pH 7~10 to form stable amide bonds. Thiol group generated by this PEG crosslinker can be used for gold particle surface modification and other pegylation reactions.

Product Structure:



Product Specifications:

- Composition: **Thiol PEG NHS.**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO.
- Reactive groups: Thiol and NHS.
- Reactive to: Maleimide and amine.

Handling and Use:

Thiol PEG NHS 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:

NHS PEG Thiol should be stored at $-20\text{ }^{\circ}\text{C}$. 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:

Thiol PEG Maleimide
Thiol PEG NH_2
Thiol PEG $COOH$
Thiol PEG Folate

Thiol PEG FITC
Thiol PEG Biotin
Thiol PEG Azide

To Order:

Order online: **clickbioprobe.com**

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