

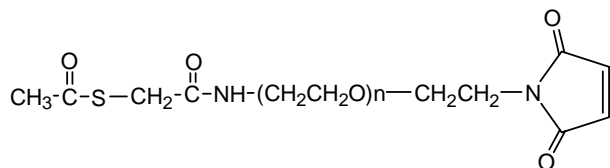
TECHNICAL DATA SHEET**Acetylthio PEG Maleimide, MW 1000, 2000, 3400, 5000, 10k, 20k**

Catalog Numbers: PG2-ATML-1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Thioacetate PEG Maleimide, Maleimide PEG Thioacetate

Description:

Acetylthio PEG maleimide, also called **thioacetate PEG maleimide**, is one of Nanocs' thiol reactive PEG derivatives. **Maleimide** group reacts readily with free thiol groups at pH 6.5~7.5 in aqueous solution. Acetyl protected thiol group, acetylthio, on the other hand, is stable in neutral pH condition and acetyl group can be deprotected from thiol group under acidic or alkaline conditions. Free thiol group is released for further reaction upon deprotection. Nanocs' **acetylthio PEG maleimide** is soluble in aqueous solution; all Pegylation can be carried out in aqueous buffer without adding any organic solvents.

Product Structure:**Product Specifications:**

- Composition: **Acetylthio PEG Maleimide.**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO.
- Reactivity: Maleimide reactive to thiol.

Handling and Use:

Acetylthio PEG Maleimide 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:

Maleimide PEG Thioacetate 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.

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