

TECHNICAL DATA SHEET**Methoxypolyethylene glycol Maleimide, mPEG-Maleimide**

Catalog Numbers: PG1-ML-350, 550, 750, 1k, 2k, 5k, 10k, 20k, 30k, 40k.

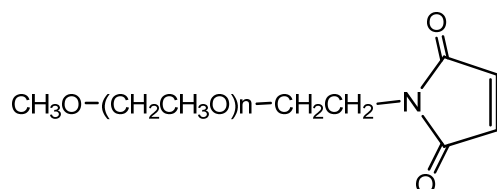
CAS number: 99126-64-4 | MDL number MFCD00803681

Synonym: Methoxy PEG Maleimide, mPEG-Mal, MeO-PEG-Mal, PEG maleimide, Maleimide PEG, Maleimide polyethylene glycol methyl ether.

Description:

Maleimide functionalized methoxypolyethylene glycol, **mPEG-Mal**, are sulfhydryl/thiol (-SH) reactive PEG derivatives that can be used to modify peptides, proteins or antibodies through their available sulfhydryl functional groups. **Maleimide PEG** is an important site-specific pegylation reagent that reacts with sulfhydryl groups at pH 6.5~7.5. Reaction between maleimide and thiol forms a stable thioether bond.

Maleimide PEG products provided by Nanocs have high purity, narrow molecular weight distribution and excellent reactivity. These PEG maleimides have been used by numerous customers for the pegylation of proteins, antibodies, enzymes, particles and medical devices.

Product Structure:**Product Specifications:**

- Composition: mPEG Maleimide.
- Appearance: White/Off-white solid, semi-solid or liquid depends on molecular weight of PEG.
- Purity: > 95%.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO.
- Stability: >6 months at -20 °C.

Handling and Use:

PEG maleimide derivatives undergo hydrolysis at elevated temperature. All **maleimide PEG** derivatives 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:

All **maleimide PEG** products 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:Maleimide PEG acid
Maleimide PEG amine
Maleimide PEG FITCMaleimide PEG NHS
Maleimide PEG Biotin
DSPE PEG Maleimide**To Order:**Order online: www.nanocs.netOrder by Email: sales@nanocs.com

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