

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

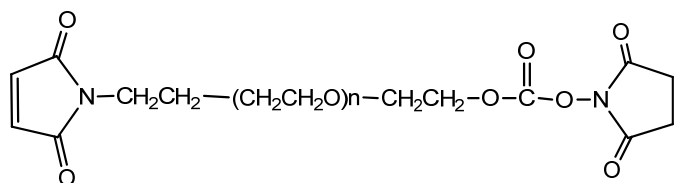
Catalog Numbers: PG2-MLNS-1k, 2k, 3k, 5k, 10k, 20k.

CAS number: N/A

Synonym: Maleimide PEG Succinimidyl Ester, Mal PEG NHS.

Description:

Nanocs' maleimide and N-hydroxysuccinimide (NHS) heterofunctionalized polyethylene glycol (**Maleimide-PEG-NHS**) is a thiol (-SH) and amine (-NH₂) reactive PEG crosslinkers which can be used to modify protein, peptide, particles and other materials via their available thiol or amino groups. Maleimide group reacts readily with free thiol groups at pH 6.5~7.5 in aqueous solution while NHS reacts with primary amine groups at pH 7~10. Maleimide PEG NHS derivatives are soluble in water and they can react with targeted materials directly in aqueous buffer without adding any organic solvents. PEGylation of maleimide PEG NHS increases the solubility and stability of modified molecules. It can also suppress the non-specific binding of charged molecules to the modified surfaces.

Product Structure:**Product Specifications:**

- Composition: Maleimide PEG NHS.
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Purity: > 90%.
- Solubility: Soluble in water, chloroform, DMSO, etc.
- Stability: >6 months at -20 °C.

Handling and Use:

Maleimide 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:

All **maleimide PEG 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:

Maleimide PEG acid
Maleimide PEG amine
SMCC PEG NHS

Maleimide PEG NHS
Maleimide PEG Biotin
SMCC PEG acid

To Order:Order online: www.nanocs.netOrder by Email: sales@nanocs.com

Order by phone: 1(800) 388-4221; 1(888) 908-8803

For more information, visit www.nanocs.net