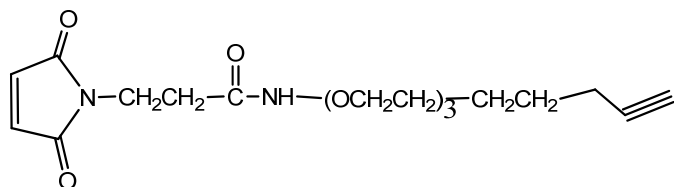


TECHNICAL DATA SHEET**Alkyne PEG Maleimide, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Description:

Alkyne PEG Maleimide is one of Nanocs' reactive Click Chemistry PEG crosslinkers that have a maleimide and an alkyne group on each PEG terminus. Click chemistry reaction between alkyne and azide is highly efficient. This reaction proceeds well in aqueous solution catalyzed by copper ions. Reaction between alkyne and azide allows conjugation of maleimide PEG to correspondent molecules with high yield. Resulted maleimide group can react readily with available -SH groups from naturally occurring or mutagenically derived cysteine residues. This reaction proceeds readily at pH 6.5-7.5 to form a stable, non-cleavable thioether bond. PEG linker between alkyne and maleimide offers better water solubility, flexible linker structure and enhanced stability.

Product Structure:**Product Specifications:**

- Composition: **Alkyne PEG Maleimide.**
- Appearance: White/off-white solid or viscous semi-solid.
- Solubility: Soluble in water, chloroform, DMSO, etc.
- Reactive group: Maleimide and alkyne.
- Reactive to: Sulfhydryl and azide

Handling and Use:

For best use, **Alkyne PEG Maleimide** 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 alkyne 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:

Alkyne PEG NHS
Alkyne PEG COOH
DBCO PEG Biotin

Alkyne PEG amine
Alkyne PEG Biotin
Alkyne PEG Thiol

To Order:

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