

TECHNICAL DATA SHEET

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

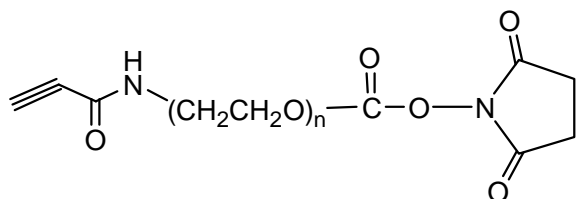
Catalog Numbers: PG2-AKNS-1k, 2k, 3k, 5k, 10k, 20k.

Synonym: NHS PEG Alkyne

Description:

Alkyne PEG NHS is one of Nanocs' heterobifunctional Click Chemistry PEG reagents that can react with azide and amine groups. **Alkyne** group reacts readily with **azide** group via Huisgen 1,3-dipolar cycloaddition, one of most commonly used **Click Chemistry** reactions. This reaction proceeds well in aqueous solution at room temperature catalyzed by copper ions. Meanwhile, NHS ester reacts with primary amine group at pH 7~10 to form a stable amide bond. PEG linker between alkyne and NHS offers better water solubility, flexible linker structure and enhanced stability. NHS functional alkyne PEG allows attachment of alkyne PEG to targeted molecules or materials with high efficiency. Attached alkyne group can be used for further click chemistry reactions.

Product Structure:



Product Specifications:

- Composition: **Alkyne PEG NHS.**
- Appearance: White/off-white solid or viscous liquid.
- Solubility: Soluble in water, chloroform, DMSO.
- Reactive group: **NHS** and **alkyne.**
- Reactive to: **Azide** and **amine.**

Handling and Use:

For best use, **Alkyne PEG NHS** 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:

Alkyne PEG NHS 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.

Related Products:

Alkyne PEG amine
Alkyne PEG COOH
Biotin PEG DBCO

Alkyne PEG Maleimide
Biotin PEG Azide
Thiol PEG Biotin

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