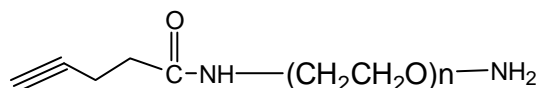


TECHNICAL DATA SHEET**Alkyne PEG Amine, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Amino PEG alkyne, Amine PEG Alkyne, Alkyne PEG NH₂**Description:**

Alkyne PEG amine is one of Nanocs' Click Chemistry PEG reagents that contain a terminal alkyne and an amine group on each PEG terminus. Alkyne reacts with **azide** group efficiently in aqueous solution catalyzed by copper ions. 1,3-dipolar cycloaddition between alkyne and azide is a high yield Click Chemistry reaction that enables conjugation of two correspondent molecules together with high efficiency. Meanwhile, amine groups can be used to react with a variety of amine reactive groups such as succinimidyl ester, aldehyde, etc. PEG linker between alkyne and amine group offers better water solubility, less steric hindrance and enhanced stability. Pegylated alkyne amine is water soluble; all reactions can be carried out in aqueous buffer without need any organic solvents.

Product Structure:**Product Specifications:**

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

Handling and Use:

For best use, **alkyne PEG amine** 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 amine should be stored at -20 °C. Desiccate. Protect from light. Materials may be handled under inert gas for best stability. Re-test material after 12 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
Biotin PEG DBCO

Alkyne PEG Maleimide
FITC PEG Alkyne
Alkyne PEG Thiol

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