

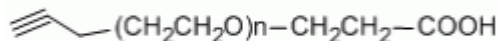
TECHNICAL DATA SHEET**Alkyne PEG acid, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Alkyne PEG COOH, Carboxylic PEG alkyne

Description:

Alkyne PEG acid is one of Nanocs' Click Chemistry PEG derivatives that have an alkyne group and a carboxylic 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, carboxylic acid group can be used to react with other functional groups such as amine, hydroxyl, etc. PEG linker between alkyne and carboxylic group offers better water solubility, flexible linker structure and enhanced stability.

Product Structure:**Product Specifications:**

- Composition: **Alkyne PEG acid.**
- Appearance: White/off-white solid or viscous liquid.
- Solubility: Soluble in water, methanol, ethanol, chloroform, DMSO, etc.
- Stability: 12 months at -20 °C.

Handling and Use:

Alkyne PEG acid 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:

Carboxylic PEG alkyne should be stored at -20 °C. 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
Alkyne PEG amine
Alkyne PEG Biotin

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

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

For more information, visit www.nanocs.net