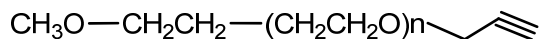


TECHNICAL DATA SHEET**nPEG Alkyne, MW 350, 550, 1000, 2000, 5000, 10k, 20k, 30k, 40k**

Catalog Numbers: PG1-AK-350, 550, 1k, 2k, 5k, 10k, 20k, 30k, 40k.

Description:

Alkyne PEG is one of Nanocs' monofunctional Click Chemistry PEG derivatives with a linear alkyne group at one end of PEG chain. Alkyne group reacts specifically with azide group via 1,3-dipolar cycloaddition reaction. This reaction proceeds well in aqueous solution catalyzed by copper ions. Pegylated alkyne has good water solubility. Reaction between azide and alkyne allows the conjugation of polyethylene glycol to the modified substrates quickly and efficiently. Pegylation improves the stability and solubility of modified molecules. It also suppresses non-specific binding to the pegylated surfaces.

Product Structure:**Product Specifications:**

- Composition: **mPEG Alkyne.**
- Appearance: White/off-white solid or viscous liquid.
- Solubility: Soluble in water, ethanol, chloroform, DMSO, etc.
- Reactive groups: Alkyne.
- Reactive to: Azide.

Handling and Use:

mPEG Alkyne 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:

PEG Alkyne should be stored at 4 °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 FITC
Maleimide PEG Alkyne
DSPE PEG Alkyne

Alkyne PEG NH₂
Alkyne PEG SH
Alkyne PEG COOH

To Order:Order online: **www.nanocs.net**Order by Email: sales@nanocs.comOrder by phone: 1(800)388-4221; 1(888)
908-8803For more information, visit www.nanocs.net