

TECHNICAL DATA SHEET

Methoxy PEG Azide

Catalog Numbers: PG1-AZ-350, 550, 750, 1k, 2k, 5k, 10k, 20k, 30k, 40k.

Synonym: mPEG Azide, Azido PEG, mPEG N₃

Description:

Methoxy PEG Azide, mPEG-N₃, is one of Nanocs' monofunctional Click chemistry PEG derivatives that have a terminal azide group. Azide is a commonly used click chemistry reactive group that can react with linear alkyne catalyzed by copper ion. It can also react with strain-promoted cyclooctyne, such as DBCO directly without need any catalyst. Reaction between alkyne and azide PEG allows quick and efficient conjugation of two molecules together in aqueous solution. The hydrophilic polyethylene glycol linked to azide imparts good water solubility that can be transferred to the modified molecules, thus can improve the solubility of conjugated substrates.

Product Structure:



Product Specifications:

- Composition: mPEG Azide.
- Appearance: White/off-white solid, semi-solid or liquid depends on molecular weight.
- Purity: > 95%.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO.
- Reactive group: Azide.

Handling and Use:

mPEG Cholesterol is relatively stable in normal condition. For best use, material 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:

Azido PEG products should be stored at 4~8 °C or lower.

This product is for research use only and is not intended for use in humans or for diagnostic use.

Related Products:

Maleimide PEG Azide

Azide PEG NHS

Azide PEG FITC

Azide PEG NH₂

Azide PEG Biotin

Azide PEG COOH

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