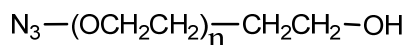


**TECHNICAL DATA SHEET****Azide PEG Hydroxy, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Azido PEG Hydroxy, N<sub>3</sub>-PEG-OH**Description:**

**Azide PEG hydroxy (N<sub>3</sub>-PEG-OH)** is one of Nanocs' heterobifunctional Click Chemistry PEG reagents that have an azide and a hydroxyl group on each PEG terminus. Azide reacts with alkyne 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. Azide can also react with strain promoted cyclooctyne without need any catalyst. Reaction between azide and alkyne enables fast and efficient conjugation of PEG chain to target molecules or particles. Resulted hydroxyl groups can be activated for further reactions.

**Product Structure:****Product Specifications:**

- Composition: **Azide PEG hydroxyl.**
- Appearance: White/off-white solid or viscous liquid.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO.
- Stability: 12 months at -20 °C.

**Handling and Use:**

**Azide PEG OH** 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](http://www.nanocs.net).

**Storage Conditions:**

**Azide PEG Hydroxy** should be stored at -20 °C. Desiccate. 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:**

Azide PEG NHS  
Azide PEG amine  
Azide PEG Thiol

Azide PEG Maleimide  
Azide PEG Biotin  
FITC PEG Azide

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