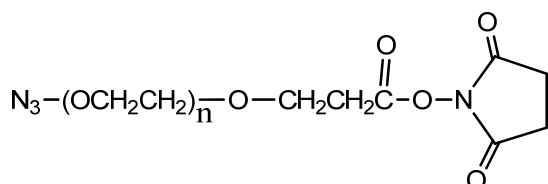


**TECHNICAL DATA SHEET****Azide PEG NHS, MW 400, 600, 1000, 2000, 3400, 5000, 10k, 20k**

Catalog Numbers: PG2-AZNS-400, 600, 1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Azido PEG NHS, NHS PEG Azide, Azido PEG Succinimidyl Ester, N<sub>3</sub>-PEG-NHS, NHS PEG N<sub>3</sub>**Description:**

**Azide PEG NHS** is one of Nanocs' heterobifunctional Click Chemistry PEG derivatives that contain a terminal azide and a NHS group on each PEG terminus. NHS ester can react with primary amine containing molecules at alkaline pH to form a stable amide bond. Reaction of amine and NHS allows quick attachment of azide PEG to targeted molecules or materials. Resulted azide PEG can react with linear alkyne group in aqueous solution catalyzed by copper ions. It can also react directly with strained alkynes, such as DBCO, without need any catalyst. Azide and alkyne reaction is a highly efficient Click Chemistry that enables conjugation of two correspondent molecules together with high yield. PEG linker between azide and NHS offers better water solubility, less steric hindrance and enhanced stability.

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

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

**Handling and Use:**

**Azido PEG NHS** 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:**

**NHS PEG Azide** should be stored at -20 °C. Desiccate. Materials may be handled under inert gas for best stability. Re-test material after 6 months.

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

**Related Products:**

Azide PEG COOH  
Azide PEG amine  
Azide PEG Thiol

Azide PEG Maleimide  
Azide PEG Biotin

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