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TECHNICAL DATA SHEET

Azide PEG Acid, N_3-PEG-COOH, MW 400, 600, 1000, 2000, 3400, 5000, 10k, 20k

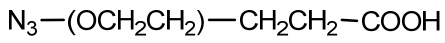
Catalog Numbers: PG2-AZCA-400, 600, 1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Azido PEG acid, Carboxylic acid PEG azide

Description:

Azide PEG acid is one of Nanocs' heterobifunctional Click Chemistry PEG reagents that contain a terminal azide and a carboxylic group on each PEG terminus. Azide reacts with alkyne group readily in aqueous solution catalyzed by copper ions. It can also react directly with strain-promoted alkyne such as DBCO without need any catalyst. Reaction between azide and alkyne enables efficient conjugation of carboxylic PEG to targeted molecules or materials with high yield. Resulted carboxylic acid can react with amine, hydroxyl and other groups. PEG linker between azide and carboxylic acid offers good water solubility, less steric hindrance and enhanced stability.

Product Structure:



Product Specifications:

- Composition: **Azide PEG acid**.
- Appearance: White/off-white solid or viscous liquid.
- Solubility: 10 mg/mL, clear in water, ethanol, chloroform, DMSO.
- Reactive groups: Azide and COOH.

Handling and Use:

For best use, **Azido 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:

Azide PEG acid should be stored at -20 ^{0}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

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