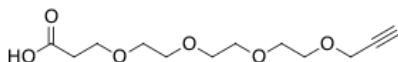


Alkyne-PEG3-carboxylic acid

<http://www.lumiprobe.com/p/alkyne-peq3-carboxylic-acid-1415800-32-6>

Alkyne-PEG3-carboxylic acid is a bifunctional triethyleneglycol derivative bearing a carboxy group and an alkyne moiety. The former can be activated with peptide coupling reagents like PyBOP or carbodiimides like EDC to form a stable amide linkage with amines. The alkyne group can be coupled with azides in a CuAAC reaction.

PEGs are hydrophilic linkers useful in synthesizing water-soluble conjugates.



Structure of Alkyne-PEG3-acid, CAS 1415800-32-6

General properties

Appearance: colorless to yellow oil

Molecular weight: 246.26

CAS number: 1415800-32-6

Molecular formula: $\text{C}_{11}\text{H}_{18}\text{O}_6$

IUPAC name: 3,6,9,12-tetraoxapentadecyn-15-oic acid

Solubility: good in most organic solvents and water

Quality control: NMR ¹H, GC-MS (95%, as Me ester)

Storage conditions: Storage: 24 months after receipt at -20°C. Transportation: at room temperature for up to 3 weeks. Desiccate.

Legal statement: This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.