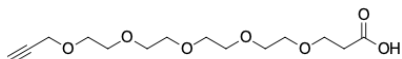

Alkyne-PEG4-carboxylic acid

<http://www.lumiprobe.com/p/alkyne-peg4-carboxylic-acid-1245823-51-1>

Alkyne-PEG4-carboxylic acid is a bifunctional tetraethyleneglycol 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-PEG4-carboxylic acid

General properties

- Appearance: yellow oily liquid
- Molecular weight: 304.34
- CAS number: 1245823-51-1
- Molecular formula: C₁₄H₂₄O₇
- Solubility: good in most organic solvents and water
- Quality control: NMR ¹H and HPLC-MS (95+%)
- Storage conditions: 24 months after receipt at -20°C in the dark. 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.