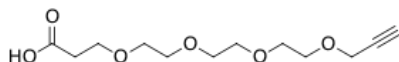


## Alkyne-PEG3-carboxylic acid

<http://www.lumiprobe.com/p/alkyne-peg3-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: C<sub>11</sub>H<sub>18</sub>O<sub>6</sub>

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

Solubility: good in most organic solvents and water

Quality control: NMR <sup>1</sup>H, 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.

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