

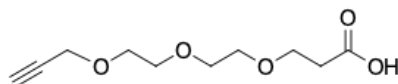
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## Alkyne-PEG2-carboxylic acid

<http://www.lumiprobe.com/p/alkyne-peg2-carboxylic-acid-1347760-82-0>

Alkyne-PEG2-carboxylic acid is a bifunctional diethyleneglycol 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-PEG2-carboxylic acid**

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### General properties

Appearance: yellow oily liquid

Molecular weight: 216.23

CAS number: 1347760-82-0

Molecular formula: C<sub>10</sub>H<sub>16</sub>O<sub>5</sub>

Solubility: good in most organic solvents and water

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

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