

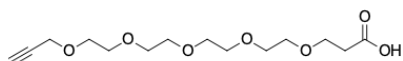
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## Alkyne-PEG4-carboxylic acid

<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**

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### General properties

Appearance: yellow oily liquid

Molecular weight: 304.34

CAS number: 1245823-51-1

Molecular formula:  $C_{14}H_{24}O_7$

Solubility: good in most organic solvents and water

Quality control: NMR  $^1H$  and HPLC-MS (95+%)

Storage conditions: 24 months after receipt at  $-20^{\circ}C$  in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.

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