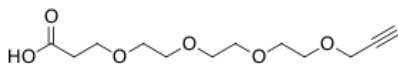


Alkyne-PEG3-COOH

<http://www.lumiprobe.com/p/alkyne-peg3-carboxylic-acid-1415800-32-6>

Alkyne-PEG3-COOH 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 that are useful in the synthesis of 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: $C_{11}H_{18}O_6$

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.