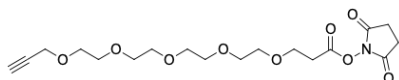


## Alkyne-PEG4-NHS ester

<http://www.lumiprobe.com/p/alkyne-peg4-nhs-ester-1393330-40-9>

Alkyne-PEG4-NHS ester is a bifunctional molecule containing NHS ester and alkyne functional groups. NHS ester group is used for the labeling of amine groups, like lysine and terminal NH<sub>2</sub>, in proteins and peptides. The terminal alkyne group is useful for copper-catalyzed click chemistry (CuAAC) or Sonogashira coupling.

PEG4 is a hydrophilic linker providing a good separation between the parts of the conjugate.



**Structure of Alkyne-PEG4-NHS ester**

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### General properties

Appearance: light yellow oil

Molecular weight: 401.41

CAS number: 1393330-40-9

Molecular formula: C<sub>18</sub>H<sub>27</sub>NO<sub>9</sub>

IUPAC name: 4,7,10,13,16-Pentaoxanonadec-18-ynoic acid, 2,5-dioxo-1-pyrrolidinyl ester

Solubility: good in water and polar organic solvents

Quality control: NMR <sup>1</sup>H and HPLC-MS (95+%)

Storage conditions: 12 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.

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