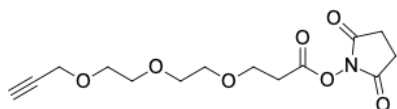

Alkyne-PEG2-NHS ester

<http://www.lumiprobe.com/p/alkyne-peg2-nhs-ester-1428629-71-3>

Alkyne-PEG2-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 NH₂, in proteins and peptides. The terminal alkyne group is useful for copper-catalyzed click chemistry (CuAAC) or Sonogashira coupling.

PEG2 is a hydrophilic linker providing a good separation between the parts of the conjugate.



Structure of Alkyne-PEG2-NHS ester

General properties

Appearance: yellowish oil

Molecular weight: 313.31

Molecular formula: C₁₄H₁₉NO₇

Solubility: good in water and polar organic solvents

Quality control: NMR ¹H 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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