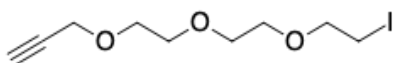


## Alkyne-PEG3-iodide

<http://www.lumiprobe.com/p/alkyne-peg3-iodide>

Alkyne-PEG3-iodide (or Iodo-PEG3-alkyne) is a hydrophilic bifunctional PEG derivative for the alkylation of nucleophilic groups and copper-catalyzed click chemistry. As compared with chloride and bromide, iodide is the halogen group that is the most active in alkylation reactions.



**Structure of Alkyne-PEG3-iodide**

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### General properties

Appearance: yellow oil

Molecular weight: 298.12

CAS number: 1234387-35-9

Molecular formula: C<sub>9</sub>H<sub>15</sub>IO<sub>3</sub>

IUPAC name: 3-[2-[2-(2-iodoethoxy)ethoxy]ethoxy]-1-propyne

Solubility: good in water, polar organic solvents

Quality control: NMR <sup>1</sup>H, GC-MS (95%)

Storage conditions: Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.

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