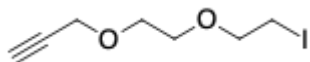


## Alkyne-PEG2-iodide

<http://www.lumiprobe.com/p/alkyne-peg2-iodide>

Bifunctional PEG2-based crosslinker having terminal alkyne and alkyl iodide groups.

Alkyl iodides are among the most powerful alkylators. They alkylate various O-, S-, N- and C-nucleophiles. This reactive derivative can be used for the preparation of different molecules with terminal alkyne group. Terminal alkyne is a versatile synthon that participates in Sonogashira coupling and click chemistry reaction.



**Structure of Alkyne-PEG2-iodide**

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### General properties

Appearance: colorless to yellow oil

Molecular weight: 254.07

CAS number: 1234387-33-7

Molecular formula: C<sub>7</sub>H<sub>11</sub>IO<sub>2</sub>

IUPAC name: 3-(2-(2-iodoethoxy)ethoxy)prop-1-yne

Solubility: soluble 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.

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