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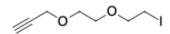
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## Alkyne-PEG2-iodide

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-nuclophiles. 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-lodide

## **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 receival at -20°C in the dark. Transportation: at room temperature for up to 3

weeks.

Legal statement: This Product is offered and sold for research purposes only. It has not been tested for safety and

efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic

products.