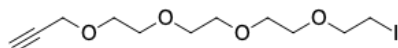


Alkyne-PEG4-iodide

<http://www.lumiprobe.com/p/alkyne-peg4-iodide>

Bifunctional PEG4-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 preparing different molecules with a terminal alkyne group. Terminal alkyne is a versatile synthon participating in Sonogashira coupling and click chemistry reaction.



Structure of Alkyne-PEG4-iodide

General properties

Appearance: light orange liquid

Molecular weight: 342.17

CAS number: 1383528-70-8

Molecular formula: $C_{11}H_{19}IO_4$

IUPAC name: 1-Iodo-3,6,9,12-tetraoxapentadec-14-yne

Solubility: soluble in water, polar organic solvents

Quality control: NMR 1H and HPLC-MS (95+%)

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

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