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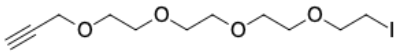
Alkyne-PEG4-iodide

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 ^{1}H and HPLC-MS (95+%)
Storage conditions:	24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.
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.