

Alkyne-PEG3-iodide

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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.

0 °O´ n

Structure of Alkyne-PEG3-iodide

General properties

Appearance:	yellow oil
Molecular weight:	298.12
CAS number:	1234387-35-9
Molecular formula:	$C_9H_{15}IO_3$
IUPAC name:	3-[2-[2-(2-iodoethoxy)ethoxy]ethoxy]-1-propyne
Solubility:	good in water, polar organic solvents
Quality control:	NMR ¹ 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. Avoid prolonged exposure to light. Desiccate.
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