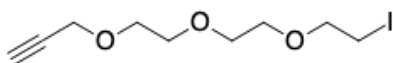

Alkyne-PEG3-iodide

<http://www.lumiprobe.com/p/alkyne-peg3-iodide>

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.



Structure of Alkyne-PEG3-iodide

General properties

Appearance: yellow oil

Molecular weight: 298.12

CAS number: 1234387-35-9

Molecular formula: C₉H₁₅IO₃

IUPAC name: 3-[2-[2-(2-iodoethoxy)ethoxy]ethoxy]-1-propyne

Solubility: good in water, polar organic solvents

Quality control: NMR ¹H, 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. Avoid prolonged exposure to light. Desiccate.