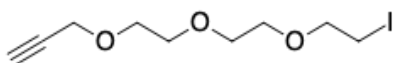

Alkyne-PEG3-iodide

<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.

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.