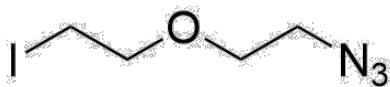

Azide-PEG2-iodide

<http://www.lumiprobe.com/p/iodo-peg2-azide>

A bifunctional cross-linker containing PEG2 with terminal azide and iodide groups. This molecule is hydrophilic and increases the water solubility of conjugates that contain it.

The azide fragment readily reacts in click chemistry reactions with various alkyne-substituted biomolecules, and for cyclooctyne compounds, the reaction runs without any toxic copper catalysts.

The iodide is a good leaving group, so it participates in nucleophile substitution reactions and can interact with various C-, N-, O-, and S-nucleophiles readily and efficiently.



Structure of Iodo-PEG2-azide

General properties

Appearance: yellow oil

Molecular weight: 241.03

CAS number: 2387581-33-9

Molecular formula: C₄H₈N₃IO

IUPAC name: 1-azido-2-(2-iodoethoxy)ethane

Solubility: soluble 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.

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.