

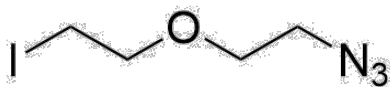
## Azide-PEG2-iodide

<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 catalyzers.

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**

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### General properties

Appearance: yellow oil

Molecular weight: 241.03

CAS number: 2387581-33-9

Molecular formula: C<sub>4</sub>H<sub>8</sub>N<sub>3</sub>IO

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

Solubility: soluble in water, polar organic solvents

Quality control: NMR <sup>1</sup>H, 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.