

## Azide-PEG2-aldehyde

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

Azide-PEG2-Aldehyde is a versatile and highly reactive linker containing an aliphatic aldehyde group and azide group.

Aldehydes possess a diverse reactivity towards a wide range of organic functional groups. Among these reactions, reductive amination is especially useful and efficient means of bioconjugation.



**Structure of azide-PEG2-aldehyde**

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### General properties

Appearance: colorless liquid

Molecular weight: 173.17

CAS number: 184006-13-1

Molecular formula: C<sub>6</sub>H<sub>11</sub>N<sub>3</sub>O<sub>3</sub>

IUPAC name: 2-[2-(2-Azidoethoxy)ethoxy]acetaldehyde

Solubility: miscible with water and most organic solvents

Quality control: NMR <sup>1</sup>H, GCMS (95%)

Storage conditions: Storage: 12 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.