

## Azide-PEG3-chloride

<http://www.lumiprobe.com/p/chloro-peg3-azide>

Azide-PEG3-chloride is a heterobifunctional linker bearing a reactive chloride for the alkylation of various nucleophilic groups. Due to anchimeric assistance from oxygen, this atom is more reactive than in normal alkyl chlorides. The other reactive group is azide. It can be conjugated via click chemistry or reduced to an amine group to be later acylated with reactive carbonyl compounds.

PEG3 is a versatile hydrophilic linker for bioconjugation.



**Structure of chloro-PEG3-azide**

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### General properties

Appearance: colorless oil

Molecular weight: 193.63

CAS number: 1301708-62-2

Molecular formula: C<sub>6</sub>H<sub>12</sub>N<sub>3</sub>ClO<sub>2</sub>

IUPAC name: 1-(2-Azidoethoxy)-2-(2-chloroethoxy)ethane

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. Avoid prolonged exposure to light. Desiccate.

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