

Product Data Sheet

Product Name: Chloro-PEG3-azide

Cat. No.: GC59004

Chemical Properties

Cas. No.

Formula $C_6H_{12}N_3ClO_2$

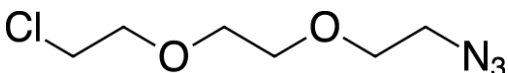
M.Wt 193.63

Solubility

Storage 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.

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available sizes: ship with RT, or blue ice upon request.

Structure 

Background

Chloro-PEG3-azide 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 amine group to be later acylated with reactive carbonyl compounds.

PEG3 is a versatile hydrophilic linker for bioconjugation.

Caution: Product has not been fully validated for medical applications. For research use only.

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