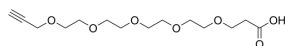


## Certificate of Analysis

**Product Name:** Propargyl-PEG5-acid  
**Cat. No.:** CS-0020924  
**CAS No.:** 1245823-51-1  
**Batch No.:** L416386  
**Chemical Name:** 4,7,10,13,16-Pentaoxanonadec-18-ynoic acid

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>14</sub>H<sub>24</sub>O<sub>7</sub>  
**Molecular Weight:** 304.34  
**Storage:** -20°C, protect from light  
**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** Light yellow to yellow (Liquid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**LCMS:** Consistent with structure  
**Purity (NMR):** ≥98.0%  
**Conclusion:** The product has been tested and complies with the given specifications.

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

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