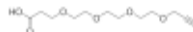


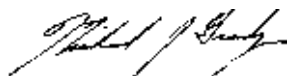
## Certificate of Analysis

Product Name:  
Propargyl-PEG4-acid

**Product Number:** 902543  
**Batch Number:** MKCM6426  
**Brand:** ALDRICH  
**CAS Number:** 1415800-32-6  
**Formula:** C<sub>12</sub>H<sub>20</sub>O<sub>6</sub>  
**Formula Weight:** 260.28 g/mol  
**Storage Temperature:** Store at -20 °C  
**Quality Release Date:** 19 JUN 2020



Test	Specification	Result
Appearance (Color)	Colorless to Faint Yellow to Faint Brown	Faint Yellow
Appearance (Form)	Liquid	Liquid
<sup>1</sup> H NMR Spectrum	Conforms to Structure	Conforms
Titration with NaOH	90.0 - 110.0 %	100.4 %
Purity (GC)	≥ 90.0 %	98.2 %



Michael Grady, Manager  
Quality Control  
Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

