

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

## Certificate of Analysis

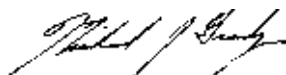
Product Name:

17-Azido-3,6,9,12,15-pentaoxaheptadecanoic acid - ≥95%

**Product Number:** 910015  
**Batch Number:** MKCL1557  
**Brand:** ALDRICH  
**CAS Number:** 217180-81-9  
**Formula:** C<sub>12</sub>H<sub>23</sub>N<sub>3</sub>O<sub>7</sub>  
**Formula Weight:** 321.33 g/mol  
**Storage Temperature:** Store at 2 - 8 °C  
**Quality Release Date:** 28 OCT 2019



Test	Specification	Result
Appearance (Color)	Colorless to Yellow	Faint Yellow
Appearance (Form)	Liquid or Semi-Solid or Paste or Solid	Semi-Solid
1H NMR Spectrum	Conforms to Structure	Conforms
13C NMR Spectrum	Conforms to Structure	Conforms
Purity (HPLC)	≥ 95.0 %	98.5 %
Titration with NaOH	95.0 - 105.0 %	98.5 %
LCMS	Confirmed	Confirmed
Confirms M-1		



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. 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.