

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)

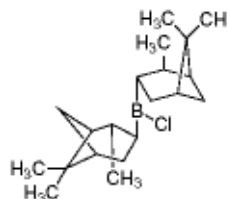
Email USA: [techserv@sial.com](mailto:techserv@sial.com)

Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
(+)-DIP-Chloride™ - 90-105% (approx.)

**Product Number:** 317012  
**CAS Number:** 112246-73-8  
**MDL:** MFCD00074808  
**Formula:** C<sub>20</sub>H<sub>34</sub>BCl  
**Formula Weight:** 320.75 g/mol



TEST	Specification
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Appearance (Color)	White
Appearance (Form)	Conforms to Requirements
Powder, Waxy Solid or Waxy Crystals	
Infrared spectrum	Conforms to Structure
Titration by AgNO <sub>3</sub> (TAG)	90.0 - 105.0 %
Optical Rotation	60.0 - 70.0 deg
C = 1%, Pentane	

Specification: PRD.0.ZQ5.10000021189

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.