

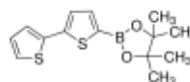
3050 Spruce Street, Saint Louis, MO 63103, USA

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:  
2,2'-Bithiophene-5-boronic acid pinacol ester

Product Number: **578878**  
CAS Number: 479719-88-5  
MDL: MFCD04039974  
Formula: C<sub>14</sub>H<sub>17</sub>BO<sub>2</sub>S<sub>2</sub>  
Formula Weight: 292.22 g/mol



TEST	Specification
------	---------------

Appearance (Color)

Colorless to Dark Blue to Dark Yellow  
and White to Dark Blue to Dark Yellow

If liquid, may be opaque

Appearance (Form)

Solid or Semi-Solid or Liquid

Infrared Spectrum

Conforms to Structure

Proton NMR Spectrum

Conforms to Structure

Carbon

54.67 - 60.41 %

Sulfur

20.86 - 23.04 %

Specification: PRD.1.ZQ5.10000018397

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.