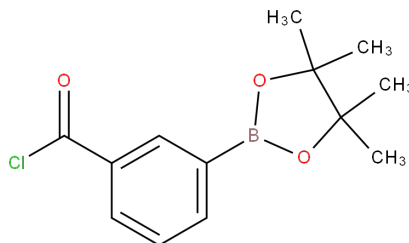




## Certificate of Analysis

**Structure:**



**Product Number** BM916  
**Batch Number** M09161301  
**Product Name** 3-(chlorocarbonyl)phenylboronic acid, pinacol ester

**CAS Number** 1181329-14-5  
**Molecular Formula** C<sub>13</sub>H<sub>16</sub>BClO<sub>3</sub>  
**Molecular Weight** 266.528 g / mol

| ANALYSIS                      | SPECIFICATION            | RESULTS     |
|-------------------------------|--------------------------|-------------|
| <b>Appearance</b>             | White to off-white solid | White solid |
| <b>MPt (°C)</b>               | 55-63                    | 58-61       |
| <b>NMR - CDCl<sub>3</sub></b> | ≥97%                     | >97%        |
| <b>Notes</b>                  |                          |             |
| <b>Storage Conditions</b>     |                          |             |

Prepared by:

\_\_\_\_\_  
*Signature*

\_\_\_\_\_  
*Print Name*

\_\_\_\_\_  
*Date*

Checked by:

\_\_\_\_\_  
*Signature*

\_\_\_\_\_  
*Print Name*

\_\_\_\_\_  
*Date*

**UNITED STATES**

Boron Molecular Inc  
P.O. Box 12592  
Research Triangle Park, NC 27709  
Tel: (919)-981-4441 Fax: (919)-981-4442  
Email: sales@boronmolecular-usa.com

**AUSTRALIA**

Boron Molecular Pty Limited  
P.O. Box 756  
Noble Park, Victoria, 3174  
Tel: 61-3-8558 8000 Fax: 61-3-8558 8004  
Email: sales@boronmolecular.com