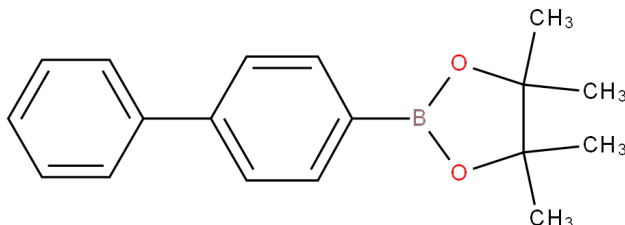




## Certificate of Analysis

**Structure:**



**Product Number** BM416  
**Batch Number** M04161203  
**Product Name** 4-Biphenylboronic acid, pinacol ester

**CAS Number** 144432-80-4  
**Molecular Formula** C<sub>18</sub>H<sub>21</sub>BO<sub>2</sub>  
**Molecular Weight** 280.172 g / mol

ANALYSIS	SPECIFICATION	RESULTS
<i>Appearance</i>	White to light brown solid	light brown solid
<i>MPt (°C)</i>	112-113	110-112
<i>GC -</i>	>97%	>99%
<i>NMR - CDCl<sub>3</sub></i>	>97%	>99%
<b>Notes</b>		
<b>Storage Conditions</b>	Store ≤ 25°C	

Prepared by:

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

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

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

Checked by:

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

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

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

2/04/2012

**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