

# Chem-Impex International, Inc.

---

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

---

## Certificate of Analysis

<b>Catalogue Number</b>	15273
<b>Lot Number</b>	001328-20130805-3
<b>Product</b>	<b>Boc-3,4-dichloro-D-<math>\beta</math>-homophenylalanine</b>  Boc-D- $\beta$ -HomoPhe(3,4-DiCl)-OH  Boc-(R)-3-amino-4-(3,4-dichlorophenyl)butyric acid
<b>CAS Number</b>	269396-56-7
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>19</sub> Cl <sub>2</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	348.23

---

<b>Appearance</b>	White solid
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>20</sup> = +12.40° (C=0.57 in EtOH)
<b><sup>13</sup>C NMR</b>	Conforms to structure
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	> 98%
<b>Storage</b>	Store at 0-8°C
<b>Remarks</b>	See material safety data sheet for additional information  For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager