

# Chem-Impex International, Inc.

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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

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## Certificate of Analysis

<b>Catalogue Number</b>	30527
<b>Lot Number</b>	000129-14009
<b>Product</b>	<b>2-(R)-Fmoc-amino-3-azidopropionic acid</b>  Fmoc-D-Ala(N <sub>3</sub> )-OH  Fmoc-D-Dap(N <sub>3</sub> )-OH
<b>CAS Number</b>	1016163-79-3
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>16</sub> N <sub>4</sub> O <sub>4</sub>
<b>Molecular Weight</b>	352.3

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<b>Appearance</b>	White crystalline powder
<b>Melting Point</b>	120-121 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = +9.0° (C=1 in DMF)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Assay by titration</b>	98.2%
<b>Purity by HPLC</b>	99.5%
<b>Purity by TLC</b>	> 99%
<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