

# *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>Lot Number</b>	000129-260162
<b>Catalogue Number</b>	30514
<b>Product</b>	<b>N<sup>α</sup>-Azido-N<sup>β</sup>-Fmoc-L-2,3-diaminopropionic acid</b> (S)-2-azido-3-(Fmoc-amino)propionic acid N <sub>3</sub> -L-Dap(Fmoc)-OH
<b>CAS Number</b>	880637-82-1
<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>	146 - 147 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -47.5 ° (C=1 in DMF)
<b>Assay by titration</b>	98.1%
<b>Chiral HPLC</b>	> 99.9% (ee)
<b>D-Enantiomer</b>	< 0.1%
<b>Purity by HPLC</b>	99.4%
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at 0 - 8 °C
<b>Country of Origin</b>	Latvia
<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