

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	16135
<b>Lot Number</b>	1
<b>Product</b>	<b><i>N</i><sup>α</sup>-Boc-<i>N</i><sup>γ</sup>-(2,4-dinitrophenyl)-D-2,4-diaminobutyric acid</b> Boc-D-Dab(Dnp)-OH
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>20</sub> N <sub>4</sub> O <sub>8</sub>
<b>Molecular Weight</b>	384.4

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<b>Appearance</b>	Yellow powder
<b>Melting Point</b>	47-52 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = +5.0° (C=1 in MeOH)
<b>Residual Solvents</b>	EtOAc, MTB, pentane
<b>Assay by titration</b>	91.1%
<b>Purity by HPLC</b>	98.6%
<b>Purity by TLC</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