

# Chem-Impex International, Inc.

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## Product Specifications

|                          |                                                                                                                                |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalogue Number</b>  | 16138                                                                                                                          |
| <b>Product</b>           | <b><math>N^{\alpha}</math>-Boc-<math>N^{\beta}</math>-(2,4-dinitrophenyl)-D-2,3-diaminopropionic acid</b><br>Boc-D-Dap(Dnp)-OH |
| <b>Molecular Formula</b> | C <sub>14</sub> H <sub>18</sub> N <sub>4</sub> O <sub>8</sub>                                                                  |
| <b>Molecular Weight</b>  | 370.45                                                                                                                         |

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|---------------------------|---------------------------------------------------------|
| <b>Appearance</b>         | Yellow crystalline substance                            |
| <b>Melting Point</b>      | 114-121 °C                                              |
| <b>Optical Rotation</b>   | [α] <sub>D</sub> <sup>20</sup> = -41 ± 2° (C=1 in MeOH) |
| <b>Assay by titration</b> | ≥ 95%                                                   |
| <b>Purity by HPLC</b>     | ≥ 99%                                                   |
| <b>Purity by TLC</b>      | ≥ 99%                                                   |
| <b>Storage</b>            | Store at 0-8 °C                                         |

**For Laboratory Use Only**