

# *Chem-Impex International, Inc.*

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## *Product Specifications*

|                                    |   |
|------------------------------------|---|
| <b>Catalogue Number</b>            | 05551   |
| <b>Product</b>                     | <b><i>N</i><sup>α</sup>-Boc-<i>N</i><sup>ε</sup>-2-bromo-<i>Z</i>-L-lysine</b><br>Boc-L-Lys(2-Br-Z)-OH  |
| <b>CAS Number</b>                  | 47592-74-5  |
| <b>Molecular Formula</b>           | C <sub>19</sub> H <sub>27</sub> BrN <sub>2</sub> O <sub>6</sub>   |
| <b>Molecular Weight</b>            | 459.34  |
| <b>Appearance</b>                  | White powder  |
| <b>Solubility</b>                  | Clear, colorless solution (50mg/mL in Methanol)   |
| <b>Melting Point</b>               | 71-79 °C  |
| <b>Elemental Analysis (Theory)</b> | C = 49.68%; H = 5.92%; N = 6.10%  |
| <b>Elemental Analysis (Found)</b>  | C = 49.68 ± 0.5%; H = 5.92 ± 0.5%; N = 6.10 ± 0.5%  |
| <b>TLC System</b>                  | Chloroform/Methanol/Benzene/H <sub>2</sub> O (8:8:8:1)<br>Chloroform/Methanol/Acetic acid (90:8:2)<br>Benzene/Dioxane/Acetic acid (95:25:4)<br>Chloroform/Ethyl Acetate/Acetic acid (50:50:2)<br>Plate: Silica gel 60 F <sub>254</sub><br>Detected by: UV, ninhydrin, chlorine-tolidine |
| <b>Purity by TLC</b>               | ≥ 99%   |
| <b>Storage</b>                     | Store at 0-8°C  |

**For Laboratory Use Only**