

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	15451
<b>Product</b>	<b>Boc-(S)-3-amino-3-(4-methylphenyl)propionic</b> Boc-D- $\beta$ -Phe(4-Me)-OH (S)-Boc-4-methyl- $\beta$ -phenylalanine
<b>CAS Number</b>	479064-96-5
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>21</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	279.34

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2 ml in DMF)
<b>Melting Point</b>	149 - 151 °C
<b>Water Content (Karl Fisher)</b>	≤ 3%
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>20</sup> = -50 ± 2 ° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	≤ 3% (70 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Chiral HPLC</b>	≥ 99.5% (ee)
<b>Other Enantiomer</b>	≤ 0.5%
<b>Purity by HPLC</b>	≥ 95%
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**