

# 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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## Product Specifications

<b>Catalogue Number</b>	03783
<b>Product</b>	<b>Boc-L-aspartic acid <math>\beta</math>-<i>tert</i>-butyl ester <math>\alpha</math>-<i>N</i>-hydroxysuccinimide ester</b> Boc-L-Asp(OtBu)-OSu
<b>CAS Number</b>	50715-50-9
<b>Molecular Formula</b>	C <sub>17</sub> H <sub>26</sub> N <sub>2</sub> O <sub>8</sub>
<b>Molecular Weight</b>	386.4
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<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clear solution (1 mmol in 4 mL DMF)
<b>Melting Point</b>	101-107 °C
<b>Water Content (Karl Fisher)</b>	≤ 1%
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>20</sup> = -29 ± 2° (C=1 in Dioxane) or [ $\alpha$ ] <sub>D</sub> <sup>20</sup> = -33 ± 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>	≤ 1% (50 °C for 2 hours)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	≥ 98%
<b>Storage</b>	Store at 0-8 °C

**For Laboratory Use Only**