

# Chem-Impex International, Inc.

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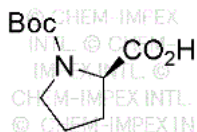
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

<b>Catalogue Number</b>	01376
<b>Product</b>	<b>Boc-D-proline</b> Boc-D-Pro-OH ( <i>R</i> )-Boc-pyrrolidine-2-carboxylic acid
<b>CAS Number</b>	37784-17-1
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>17</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	215.3

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<b>Appearance</b>	White crystal
<b>Solubility</b>	Clear solution (0.3 g in 2 mL DMF)
<b>Melting Point</b>	130 - 138 °C
<b>Elemental Analysis (Theory)</b>	≤ 5% (C, H, N)
<b>Water Content (Karl Fisher)</b>	≤ 1%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 60 ± 2 ° (C=1 in AcOH)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	≤ 1% (60 °C, 2 h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Chiral HPLC</b>	≥ 99.5% (ee)
<b>L-Enantiomer</b>	≤ 0.5%
<b>Purity by HPLC</b>	≥ 98%
<b>Purity by TLC</b>	≥ 98%
<b>Storage</b>	Store at 0-8°C

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**For Laboratory Use Only**