

# Chem-Impex International, Inc.

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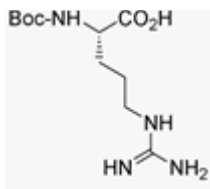
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Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



## Product Specifications

Catalogue Number	05457
Product	<b>N<sup>α</sup>-Boc-L-arginine</b> Boc-L-Arg-OH
CAS Number	13726-76-6
Molecular Formula	C <sub>11</sub> H <sub>22</sub> N <sub>4</sub> O <sub>4</sub>
Molecular Weight	274.32

Appearance	White powder
Solubility	Clear colorless solution (50 mg/mL in Water)
Elemental Analysis (Theory)	C: 46.0 ± 1%, H: 8.0 ± 1%. N: 19.0 ± 1% Calc. as x 0.65 H <sub>2</sub> O (4%)
Water Content (Karl Fisher)	≤ 5%
TLC System	n-Butanol/Acetic acid/Water (4:2:2) Ethylacetate/Pyridine/Acetic acid/Water (60:30:9:16.5) Chloroform/Methanol/Acetic acid 32% (5:3:1) Plate: Silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, TMB
Optical Rotation	[α] <sub>D</sub> <sup>24</sup> = -6 ± 2° (C=2 in AcOH)
Related Substances	H-Arg-OH : ≤ 0.5% Boc-Arg-Arg-OH : ≤ 0.2%
Assay	≥ 94% (Elemental analysis, Nth : 20.42%)
D-Enantiomer	≤ 0.1%
Purity by TLC	≥ 99%
Chiral Purity	≥ 99.9% (ee)
Storage	Store at 0-8 °C

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**For Laboratory Use Only**