

Chem-Impex International, Inc.

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

Product Specifications

Catalogue Number	06248
Product	<i>N</i>ⁱⁿ-Boc-L-tryptophan <i>tert</i>-butyl ester L-Trp(Boc)-OtBu•HCl
CAS Number	218938-67-1
Molecular Formula	C ₂₀ H ₂₈ N ₂ O ₄ •HCl
Molecular Weight	396.92

Appearance	White powder
Solubility	Clear, colorless solution (50mg/mL Methanol)
Melting Point	156 - 160 °C
Elemental Analysis (Theory)	C = 60.5 ± 0.5%; H = 7.4 ± 0.5%; N = 7.1 ± 0.5%
Water Content (Karl Fisher)	≤ 0.1%
TLC System	Chloroform/Methanol/Toluene/H ₂ O (8:8:8:1) Ethylacetate/Pyridine/Acetic acid/H ₂ O (60:10:3:4) Plate: Silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, Chlorine-Tolidine
Related Substances	H-Trp-OtBu (TLC) : ≤ 0.2% H-Trp(Boc)-OH (TLC) : ≤ 0.2%
Titration	Chloride Content : ≥ 9%
Assay	≥ 99% (Elemental analysis, Cth : 60.52%)
Purity by TLC	≥ 99%
Storage	Store at 0 - 8 °C

For Laboratory Use Only