

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	06608
Product	L-Tryptophan <i>tert</i>-butyl ester hydrochloride L-Trp-OtBu•HCl
CAS Number	16874-09-2
Molecular Formula	C ₁₅ H ₂₀ N ₂ O ₂ •HCl
Molecular Weight	296.7

Appearance	White powder
Solubility	Clear colorless solution (50 mg/mL in MeOH)
Elemental Analysis (Theory)	C: 60.0 ± 1%, H: 7.0 ± 1%, N: 9.0 ± 1% Calc. as x 1.045 HCl (12.3% Cl-) x 0.1% H ₂ O (0.6% H ₂ O)
Water Content (Karl Fisher)	≤ 0.5%
TLC System	Ethylacetate / pyridine / acetic acid / water : 60/10/3/4 Chloroform / methanol / acetic acid / water : 40/13/1/2 Chloroform / methanol / acetic acid : 77.5/15/7.5 Plate : Silicagel 60 F ₂₅₄ Detected by : Chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = 18 ± 2 ° (C=1 in MeOH)
Titration	Chloride content : ≤ 13% (AgNO ₃)
D-Enantiomer	≤ 1%
Purity by TLC	≥ 99%
Chiral Purity	≥ 99% (ee)
Storage	Store at 0 - 8 °C

For Laboratory Use Only