

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

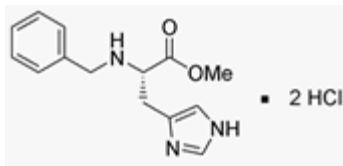
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	05640
Product	<i>N</i>^α-Benzyl-L-histidine methyl ester dihydrochloride Bzl-L-His-OMe•2HCl
CAS Number	102029-99-2
Molecular Formula	C ₁₄ H ₁₇ N ₃ O ₂ •2HCl
Molecular Weight	332.3
Appearance	White product
Solubility	Clear, colorless solution (50 mg/mL in Acetic acid 80%)
Elemental Analysis (Theory)	C = 49.02%; H = 5.94%; N = 12.25%
Elemental Analysis (Found)	C = 48.78 ± 0.5%; H = 6.19 ± 0.5%; N = 12.15 ± 0.5%
Water Content (Karl Fisher)	≤ 3.0%
TLC System	Ethylacetate/Pyridine/Acetic acid/H ₂ O (60:20:6:11) Chloroform/Methanol/Acetic acid/H ₂ O (70:42:0.5:1.5) Plate: silicagel 60 F ₂₅₄ Detected by: UV, chlorine-tolidine, Pauly
Optical Rotation	[α] _D ²⁴ = +26 ± 2° (C=1 in MeOH)
Titration	Chloride Content: ≥ 20% (AgNO ₃)
Purity by TLC	≥ 98%
Storage	Store at 0-8 °C
Additional Information	FAB-MS: [M+H] ⁺ : m/z 260 ± 2 u

Product Specifications

Catalog Number: 05640

For Laboratory Use Only