

Analytical Data Sheet

Lot number **1073870**
not for drug use

Catalog number **E-2045.0025**
Product number **4000501.0025**
Product **H- Ile- OMe · HCl**
Molecular formula **C₇H₁₅NO₂ · HCl**
Relative molecular mass **181.66**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Melting point	100 °C
Specific optical rotation	$[\alpha]_D^{24} = +27.9^\circ$ (1% in water)
Purity (TLC)	> 98%
Related impurities (TLC)	< 0.1% H-Ile-OH
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	99.4% (Nth 7.71%, Nfd 7.66%)
Chloride content (titration)	100.6% of theoretical

Latest update: April 28, 2020

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