

Analytical Data Sheet

Lot number

1023034

not for drug use

Catalog Number	E-2045.0100
Product number	4000501.0100
Product	H- Ile- OMe · HCl
Molecular formula	C ₇ H ₁₅ NO ₂ · HCl
Relative molecular mass	181.66

Tests	Results
Appearance	slightly beige 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	$[\alpha]_D^{24} = +26.9^\circ$ (1% in water)
Purity (TLC)	ca. 97%
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol/toluene/H ₂ O 8/8/8/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	98.3% (Nth 7.71%, Nfd 7.58%)
Chloride content (titration)	19.5%
Latest update: March 27, 2009	