

Analytical Data Sheet

Lot number **1000008141**
not for drug use

Catalog number **E-2260.0025**
Product number **4002447.0025**
Product **H- Phe- OEt · HCl**
Molecular formula $C_{11}H_{15}NO_2 \cdot HCl$
Relative molecular mass 229.71

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in ethanol)
Identification (TLC)	complies with authentic material
Melting point	157 °C
Specific optical rotation	$[\alpha]_D^{24} = +32.8^\circ$ (1% in ethanol)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Phe-OH
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid/H ₂ O 85/13/0.5/1.5 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	< 0.1% D-Enantiomer
Assay (elemental analysis)	99.7% (Cth 57.52%, Cfd 57.33%)
Chloride content (titration)	101.7% of theoretical (Clth = 15.43%)

Latest update: November 06, 2018

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