

Analytical Data Sheet

Lot number **1066424**
not for drug use

Catalog number **E-2670.0025**
Product number **4013408.0025**
Product **H- Glu(OEt) - OEt · HCl**
Molecular formula $C_9H_{17}NO_4 \cdot HCl$
Relative molecular mass 239.70

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in ethanol)
Identification (TLC)	complies with authentic material
Melting point	116 °C
Specific optical rotation	$[\alpha]_D^{24} = +21.9^\circ$ (3% in ethanol)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Glu(OEt)-OH < 0.1% H-Glu-OH
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 77.5/15/7.5 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)	99.9% (Cth 45.10%, Cfd 45.04%)
Water content (KF volumetric)	0.1%
Chloride content (titration)	14.8%

Latest update: June 24, 2016

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