

Analytical Data Sheet

Lot number

1047130

not for drug use

Catalog Number	F-1130.0001
Product number	4003756.0001
Product	H- D- Ala- OtBu · HCl
Molecular formula	C ₇ H ₁₅ NO ₂ · 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	162 °C
Specific optical rotation	$[\alpha]_{365}^{24} = -14.3^{\circ}$ (2 % in ethanol)
Purity (TLC)	> 99%
TLC conditions	n-Butanol/acetic acid/H ₂ O 4/2/2 Chloroform/methanol/acetic acid(98-100%)/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, chlorine-tolidine
Assay (elemental analysis)	79.1 % (Nth 9.65 %, Nfd 7.63 %)
Water content (KF volumetric)	0.5%
Chloride content (titration)	19.1 % (AgNO ₃)
Latest update: March 04, 2013	