

# Analytical Data Sheet

Lot number

## 1028096

not for drug use

<b>Catalog Number</b>	F-4100.0001
<b>Product number</b>	4041546.0001
<b>Product</b>	N- Me- D- Ala- OtBu · HCl
<b>Molecular formula</b>	C <sub>8</sub> H <sub>17</sub> NO <sub>2</sub> · HCl
<b>Relative molecular mass</b>	195.69

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in methanol)
<b>Identification (TLC)</b>	complies with authentic material
<b>Melting point</b>	135 °C
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = +9.5^\circ$ (1% in dimethylformamide)
<b>Purity (TLC)</b>	> 99%
<b>TLC conditions</b>	chloroform/methanol/acetic acid/H <sub>2</sub> O 45/13/1/2 chloroform/methanol/acetic acid/H <sub>2</sub> O 70/42/0.5/10 chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
<b>Assay (elemental analysis)</b>	80.8% (Cth 60.35%, Cfd 48.74%)
<b>Chloride content (titration)</b>	18.1%
Latest update: December 14, 2009	

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