

Analytical Data Sheet

Lot number **1073975**
not for drug use

Catalog number **E-1885.0005**
Product number **4004027.0005**
Product **H- Glu(OtBu) - OMe · HCl**
Molecular formula $C_{10}H_{19}NO_4 \cdot HCl$
Relative molecular mass 253.73

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 47.3%</td> <td>C = 47.3%</td> </tr> <tr> <td>H = 8.0%</td> <td>H = 7.6%</td> </tr> <tr> <td>N = 5.5%</td> <td>N = 5.5%</td> </tr> </tbody> </table>	Theory	Found	C = 47.3%	C = 47.3%	H = 8.0%	H = 7.6%	N = 5.5%	N = 5.5%
Theory	Found								
C = 47.3%	C = 47.3%								
H = 8.0%	H = 7.6%								
N = 5.5%	N = 5.5%								
Identification (TLC)	complies with authentic material								
Melting point	128 °C								
Specific optical rotation	$[\alpha]_D^{24} = +26.7^\circ$ (1% in methanol)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/methanol/toluene/H ₂ O 8/8/8/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Chloride content (titration)	13.9%								

Latest update: October 31, 2017

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