

## Analytical Data Sheet

Lot number **1071007**  
not for drug use

Catalog number **A-3490.0005**  
Product number **4018999.0005**  
Product **H- Orn(Boc) - OMe · HCl**  
Molecular formula **C<sub>11</sub>H<sub>22</sub>N<sub>2</sub>O<sub>4</sub> · HCl**  
Relative molecular mass **282.77**

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 = 46.7%</td> <td>C = 46.8%</td> </tr> <tr> <td>H = 8.2%</td> <td>H = 8.0%</td> </tr> <tr> <td>N = 9.9%</td> <td>N = 9.9%</td> </tr> </tbody> </table>	Theory	Found	C = 46.7%	C = 46.8%	H = 8.2%	H = 8.0%	N = 9.9%	N = 9.9%
Theory	Found								
C = 46.7%	C = 46.8%								
H = 8.2%	H = 8.0%								
N = 9.9%	N = 9.9%								
Identification (TLC)	complies with authentic material								
Purity (TLC)	> 99%								
Related impurities (TLC)	< 0.2% H-Orn(Boc)-OH < 0.2% H-Orn-OMe x HCl								
TLC conditions	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 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB								
Assay (elemental analysis)	100.1% (Cth 46.72%, Cfd 46.77%)								
Water content (KF volumetric)	0.3%								
Chloride content (titration)	12.6% (Cl <sup>-</sup> th = 12.5%)								

Latest update: March 30, 2017

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