

## Analytical Data Sheet

Lot number **1059431**  
not for drug use

Catalog number **F-2070.0005**  
Product number **4002694.0005**  
Product **H- DL- Pro- OMe · HCl**  
Molecular formula **C<sub>6</sub>H<sub>11</sub>NO<sub>2</sub> · HCl**  
Relative molecular mass **165.62**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (elemental analysis)	<p>Theory Found</p> <p>C = 43.5% C = 43.5%</p> <p>H = 7.3% H = 7.0%</p> <p>N = 8.5% N = 8.4%</p> <p>calc. as 1 HCl (22.01 %)(21.91 % Cl)</p>
Identification (TLC)	complies with authentic material
Melting point	123.8 °C
Purity (TLC)	> 99%
TLC conditions	<p>chloroform/methanol/acetic acid 32% 5/3/1</p> <p>n-butanol/acetic acid/H<sub>2</sub>O 4/2/2</p> <p>ethylacetate/pyridine/acetic acid/H<sub>2</sub>O 60/30/9/16.5</p> <p>plate: silicagel 60 F<sub>254</sub></p> <p>detected by: UV, ninhydrin, chlorine-tolidine</p>
Assay (elemental analysis)	100.0% (Cth 43.51%, Cfd 43.52%)
Water content (KF volumetric)	0.2%
Chloride content (titration)	21.3% (AgNO <sub>3</sub> )

Latest update: May 20, 2015

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