

Analytical Data Sheet

Lot number **1000025732**
not for drug use

Catalog number **F-2350.0005**
Product number **4004988.0005**
Product **H- D- Thr- OMe · HCl**
Molecular formula **C₅H₁₁NO₃ · HCl**
Relative molecular mass **169.61**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 35.17 %</td> <td>C = 34.92 %</td> </tr> <tr> <td>H = 7.16 %</td> <td>H = 7.31 %</td> </tr> <tr> <td>N = 8.20 %</td> <td>N = 8.00 %</td> </tr> </tbody> </table> <p>calc. as 1 HCl (20.8 % HCl) x 0.065 H₂O (0.69 % H₂O)</p>	Theory	Found	C = 35.17 %	C = 34.92 %	H = 7.16 %	H = 7.31 %	N = 8.20 %	N = 8.00 %
Theory	Found								
C = 35.17 %	C = 34.92 %								
H = 7.16 %	H = 7.31 %								
N = 8.20 %	N = 8.00 %								
Identification (TLC)	conforms with authentic material								
Melting point	75 °C								
Specific optical rotation	[α] _D ²⁴ = + 9.7° (1 % in MeOH)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	0.7%								
Chloride content (titration)	20.9% (AgNO ₃)								

Latest update: December 04, 2019

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