

Analytical Data Sheet

Lot number

1017651

not for drug use

Catalog Number	F-2680.0025
Product number	4017041.0025
Product	H- cis- Hyp- OMe · HCl
Molecular formula	C ₆ H ₁₁ NO ₃ · HCl
Relative molecular mass	181.62

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 39.4%</td> <td>C = 38.9%</td> </tr> <tr> <td>H = 6.7%</td> <td>H = 6.6%</td> </tr> <tr> <td>N = 7.7%</td> <td>N = 7.5%</td> </tr> </table> <p>calc. x 1.0 HCl x 0.05 H₂O (0.5%)</p>	Theory	Found	C = 39.4%	C = 38.9%	H = 6.7%	H = 6.6%	N = 7.7%	N = 7.5%
Theory	Found								
C = 39.4%	C = 38.9%								
H = 6.7%	H = 6.6%								
N = 7.7%	N = 7.5%								
Identification (TLC)	complies with authentic material								
Melting point	128 °C								
Specific optical rotation	[α] _D ²⁴ = - 11.1° (1% in methanol)								
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								
Assay (elemental analysis)	96.9% (Nth 7.71%, Nfd 7.47%)								
Chloride content (titration)	19.4%								
Latest update: October 24, 2008									