

Analytical Data Sheet

Lot number

1018352

not for drug use

Catalog Number	F-2680.0005
Product number	4017041.0005
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 MeOH)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 39.7 %</td> <td>C = 39.3 %</td> </tr> <tr> <td>H = 6.7 %</td> <td>H = 6.9 %</td> </tr> <tr> <td>N = 7.7 %</td> <td>N = 7.7 %</td> </tr> </table>	Theory	Found	C = 39.7 %	C = 39.3 %	H = 6.7 %	H = 6.9 %	N = 7.7 %	N = 7.7 %
Theory	Found								
C = 39.7 %	C = 39.3 %								
H = 6.7 %	H = 6.9 %								
N = 7.7 %	N = 7.7 %								
Identification (TLC)	conforms with authentic material								
Melting point	131 °C decomposition								
Specific optical rotation	$[\alpha]_D^{24} = -10.6^\circ$ (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								
Assay (elemental analysis)	99.0 % (Cth 39.68 %, Nfd 39.30 %)								
Chloride content (titration)	19.6 % (AgNO ₃)								

Latest update: October 24, 2008

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