

Analytical Data Sheet

Lot number **1074856**
not for drug use

Catalog number **G-1745.0050**
Product number **4003655.0050**
Product **Cyclo(- His- Pro)**
Molecular formula $C_{11}H_{14}N_4O_2$
Relative molecular mass 234.26

Tests	Results								
Appearance	off-white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in AcOH 80 %)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 56.4 %</td> <td>C = 56.6 %</td> </tr> <tr> <td>H = 6.0 %</td> <td>H = 6.0 %</td> </tr> <tr> <td>N = 23.9 %</td> <td>N = 23.7 %</td> </tr> </tbody> </table>	Theory	Found	C = 56.4 %	C = 56.6 %	H = 6.0 %	H = 6.0 %	N = 23.9 %	N = 23.7 %
Theory	Found								
C = 56.4 %	C = 56.6 %								
H = 6.0 %	H = 6.0 %								
N = 23.9 %	N = 23.7 %								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = -110.9^\circ$ (1 % in water)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 CHCl ₃ /MeOH/NH ₄ OH konz. (80/20/4) plate: silicagel 60 F ₂₅₄ detected: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.2% (Nth 23.92 %, Nfd 23.72 %)								

Latest update: December 19, 2017

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