

Analytical Data Sheet

Lot number **1000016830**
not for drug use

Catalog number **G-4375.0050**
Product number **4025821.0050**
Product **Cyclo(- D- His- Pro)**
Molecular formula $C_{11}H_{14}N_4O_2$
Relative molecular mass 234.26

Tests	Results								
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 52.37 %</td> <td>C = 52.49 %</td> </tr> <tr> <td>H = 6.39 %</td> <td>H = 6.39 %</td> </tr> <tr> <td>N = 22.21 %</td> <td>N = 22.34 %</td> </tr> </tbody> </table> <p>calc. as H₂O (7.1 %)</p>	Theory	Found	C = 52.37 %	C = 52.49 %	H = 6.39 %	H = 6.39 %	N = 22.21 %	N = 22.34 %
Theory	Found								
C = 52.37 %	C = 52.49 %								
H = 6.39 %	H = 6.39 %								
N = 22.21 %	N = 22.34 %								
Identification (TLC)	complies with authentic material								
Melting point	192 °C								
Specific optical rotation	$[\alpha]_D^{24} = -77.0^\circ$ (1 % in water)								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 NH ₃ conc/methanol/CHCl ₃ 2/11/32 plate: silicagel 60 F ₂₅₄ detected by: chlorine-tolidine, Pauly								
Water content (KF volumetric)	6.8%								

Latest update: June 17, 2019

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