

Analytical Data Sheet

Lot number **1072363**
not for drug use

Catalog number **G-1745.0250**
Product number **4003655.0250**
Product **Cyclo(- His- Pro)**
Molecular formula $C_{11}H_{14}N_4O_2$
Relative molecular mass 234.26

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in 80% AcOH)
Identification (ESI-MS)	m = 234.3u (average mass)
Identification (elemental analysis)	Theory Found C = 56.4% C = 56.2% H = 6.0% H = 5.9% N = 23.9% N = 23.8%
Identification (TLC)	complies with reference
Specific optical rotation	$[\alpha]_D^{24} = -113.3^\circ$ (1% in water)
Purity (HPLC)	99.4% (TFA)
Purity (TLC)	> 99%
Assay (elemental analysis)	99.7% (Nth 23.92%, Nfd 23.84%)
Water content (KF volumetric)	0.1%
Residual organic solvents (GC)	0.1% isopropylether 0.6% methanol not det. toluene

Latest update: July 08, 2017

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