CERTIFICATE OF ANALYSIS

Catalog Number:	sc-294122
Lot Number:	L0516
Product Name:	Cyclo(-His-Pro)
CAS Number:	53109-32-3
Molecular Formula:	$C_{11}H_{14}N_4O_2$
Molecular Weight:	234.26

Test	Result
Appearance	Off-white powder
Assay	99.2% (Elemental analysis based on Nitrogen content) Nth: 23.92%, Nfd: 23.72%
Purity (TLC)	> 99%
Solubility	Clear, colorless solution (50mg/mL in 80% AcOH)
Optical Rotation (α^{24}_D)	-110.9° (C=1 in Water)
Carbon Content	56.6%
Hydrogen Content	6.0%
Nitrogen Content	23.7%

Test Conditions

TLC Conditions: n-Butanol/Acetic acid/Water (4:2:2) Chloroform/Methanol/Acetic acid 32% (5:3:1) Chloroform/Methanol/Ammonia conz. (80:20:4) Plate: silicagel 60 F254
detected by: UV, ninhydrin, chlorine-tolidine

Satisfaction Gurantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.