

## Analytical Data Sheet

Lot number **1000015326**  
not for drug use

Catalog number **G-1740.0250**  
Product number **4006752.0250**  
Product **Cyclo(- His- Phe)**  
Molecular formula **C<sub>15</sub>H<sub>16</sub>N<sub>4</sub>O<sub>2</sub>**  
Relative molecular mass **284.32**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in acetic acid 80 %)
Identification (ESI-MS)	m = 284.3u (average mass)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -76.9^\circ$ (1 % in acetic acid 80 %)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	95.3% (Nth 19.71 %, Nfd 18.79 %)
Water content (KF volumetric)	3.3%

Latest update: May 02, 2019

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