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## Certificate of Analysis

**Product Description:** E-64\_  
**Catalog Number:** 152846\_  
**Lot:** M2674\_

**Formula:** C<sub>15</sub>H<sub>27</sub>N<sub>5</sub>O<sub>5</sub>  
**CAS #:** 66701-25-5  
**Physical Description:** White Powder

**Formula Weight:** 357.4  
**Storage:** -20°C, desiccate, protect from light

Test	Specification	Result
Identity Test	Passes	Passes

Specific Optical Rotation (c=0.5, 0.1 N HCl): +24.9°

Elemental Analysis:

- C: 49.29%
- H: 7.76%
- N: 19.05%

Thin Layer Chromatography: Single Spot

11/03/2011 - Christina Marotta  
MP Biomedicals, LLC.  
Technical Director

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