

## Analytical Data Sheet

Lot number **1071933**  
not for drug use

Catalog number **J-1185.0050**  
Product number **4001557.0050**  
Product **H- Glu(4MβNA) - OH**  
Molecular formula **C<sub>16</sub>H<sub>18</sub>N<sub>2</sub>O<sub>4</sub>**  
Relative molecular mass **302.33**

Tests	Results								
Appearance	slightly pink powder								
Appearance of solution	clear, colorless solution (50 mg/mL in acetic acid 80%)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 56.8%</td> <td>C = 56.6%</td> </tr> <tr> <td>H = 6.6%</td> <td>H = 6.2%</td> </tr> <tr> <td>N = 8.3%</td> <td>N = 8.2%</td> </tr> </tbody> </table> <p>calc. x 2 H<sub>2</sub>O (10.7%)</p>	Theory	Found	C = 56.8%	C = 56.6%	H = 6.6%	H = 6.2%	N = 8.3%	N = 8.2%
Theory	Found								
C = 56.8%	C = 56.6%								
H = 6.6%	H = 6.2%								
N = 8.3%	N = 8.2%								
Identification (TLC)	complies with authentic material								
Melting point	181 °C								
Purity (TLC)	> 99%								
Related impurities (TLC)	< 0.1% 4-methoxy-β-naphthylamine								
TLC conditions	ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 6/4/1/3 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB								
Assay (titration)	89.2% (HClO <sub>4</sub> )								
Water content (KF volumetric)	10.7%								

Latest update: May 23, 2017

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