

Analytical Data Sheet

Lot number

1012228

not for drug use

Catalog Number	J-1185.1000
Product number	4001557.1000
Product	H- Glu(4MβNA) - OH
Molecular formula	C₁₆H₁₈N₂O₄
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 (TLC)	complies with authentic material
Melting point	181 °C
Purity (TLC)	> 99%
Related impurities (TLC)	< < 0.1 % 4MβNA
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 6/4/1/3 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	89.4% (Cth 63.56 %, Cfd 56.80 %)
Water content (KF volumetric)	9.9%
Latest update: March 11, 2010	Analytical Data Sheet Lot number 1012228