

Analytical Data Sheet

Lot number **1000026848**
not for drug use

Catalog number **I-1185.0050**
Product number **4001850.0050**
Product **H- Glu(AMC) - OH**
Molecular formula **C₁₅H₁₆N₂O₅**
Relative molecular mass **304.30**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (5 mg/mL in acetic acid 80%)
Identification (elemental analysis)	Theory Found C = 57.4% C = 57.4% H = 5.5% H = 5.4% N = 8.9% N = 8.9% calc. x 0.52 H ₂ O (3.0%)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% AMC (7-amino-4-methylcoumarin)
TLC conditions	isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV ₃₆₆ , ninhydrin, TMB
Assay (elemental analysis)	96.9% (Nth 9.21%, Nfd 8.92%)
Water content (KF volumetric)	2.9%

Latest update: January 10, 2020

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