

Analytical Data Sheet

Lot number **1000008172**
not for drug use

Catalog number **I-1435.1000**
Product number **4012553.1000**
Product **H- Asn- AMC trifluoroacetate salt**
Molecular formula **C₁₄H₁₅N₃O₄**
Relative molecular mass **289.29**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in water)
Identification (elemental analysis)	Theory Found C = 45.0% C = 44.7% H = 4.2% H = 4.3% N = 9.7% N = 9.8%
Identification (TLC)	complies with authentic material
Purity (TLC)	> 98%
Related impurities (TLC)	< 0.05% AMC (7-amino-4-methylcoumarin)
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid/H ₂ O 60/45/14/6 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	67.4% (Nth 14.53 %, Nfd 9.80%)
Water content (KF volumetric)	0.7%
Trifluoroacetic acid content (HPLC)	28.25%

Latest update: November 06, 2018

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