

Analytical Data Sheet

Lot number **1067332**
not for drug use

Catalog number **I-1435.0250**
Product number **4012553.0250**
Product **H- Asn- AMC trifluoroacetate salt**
Molecular formula **C₁₄H₁₅N₃O₄**
Relative molecular mass **289.29**

Tests	Results								
Appearance	white powder								
Appearance of solution	nearly clear, colorless solution (50 mg/ml in H ₂ O)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 45.6 %</td> <td>C = 45.4 %</td> </tr> <tr> <td>H = 4.3 %</td> <td>H = 3.9 %</td> </tr> <tr> <td>N = 10.0 %</td> <td>N = 9.7 %</td> </tr> </table> <p>calc. as x 1 TFA (27.06%) x 1 H₂O (4.28%)</p>	Theory	Found	C = 45.6 %	C = 45.4 %	H = 4.3 %	H = 3.9 %	N = 10.0 %	N = 9.7 %
Theory	Found								
C = 45.6 %	C = 45.4 %								
H = 4.3 %	H = 3.9 %								
N = 10.0 %	N = 9.7 %								
Identification (TLC)	complies with authentic material								
Purity (TLC)	> 98%								
Related impurities (TLC)	< 0.1% 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)	67.5% (Nth 14.53%, Nfd 9.81%)								
Water content (KF volumetric)	2.0%								
Trifluoroacetic acid content (HPLC)	27.5%								

Latest update: August 18, 2016

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