

Analytical Data Sheet

Lot number

1006275

not for drug use

Catalog Number	I-1285.1000
Product number	4001559.1000
Product	H- Phe- AMC trifluoroacetate salt
Molecular formula	C ₁₉ H ₁₈ N ₂ O ₃
Relative molecular mass	322.36

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 58.55 %</td> <td>C = 58.12 %</td> </tr> <tr> <td>H = 4.72 %</td> <td>H = 4.42 %</td> </tr> <tr> <td>N = 6.63 %</td> <td>N = 6.34 %</td> </tr> </table> <p>calc. as 0.8 TFA (17.2 %) x 0.5 H₂O (1.9 %)</p>	Theory	Found	C = 58.55 %	C = 58.12 %	H = 4.72 %	H = 4.42 %	N = 6.63 %	N = 6.34 %
Theory	Found								
C = 58.55 %	C = 58.12 %								
H = 4.72 %	H = 4.42 %								
N = 6.63 %	N = 6.34 %								
Identification (TLC)	complies with authentic material								
Purity (TLC)	> 99%								
Related impurities (TLC)	< 0.1% AMC (7-amino-4-methylcoumarin)								
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 chloroform/methanol/acetic acid 77.5/15/7.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Assay (elemental analysis)	73.1 % (Nth 8.69 %, Nfd 6.35 %)								
Water content (KF volumetric)	1.9%								
Trifluoroacetic acid content (HPLC)	testmethod not applicable (product not soluble in water) TFA-content (GC): 17.2 %								
Latest update: October 24, 2008									