

Analytical Data Sheet

Lot number

1037551

not for drug use

Catalog Number	I-1385.0050
Product number	4031332.0050
Product	H- Val- AMC trifluoroacetate salt
Molecular formula	C ₁₅ H ₁₈ N ₂ O ₃
Relative molecular mass	274.32

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, yellowish solution (50 mg/mL in methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 51.9 %</td> <td>C = 52.1 %</td> </tr> <tr> <td>H = 4.0 %</td> <td>H = 4.8 %</td> </tr> <tr> <td>N = 7.1 %</td> <td>N = 7.1 %</td> </tr> </table>	Theory	Found	C = 51.9 %	C = 52.1 %	H = 4.0 %	H = 4.8 %	N = 7.1 %	N = 7.1 %
Theory	Found								
C = 51.9 %	C = 52.1 %								
H = 4.0 %	H = 4.8 %								
N = 7.1 %	N = 7.1 %								
Identification (TLC)	complies with authentic material								
Purity (TLC)	> 99%								
Related impurities (TLC)	< < 0.1 % AMC (7-amido-4-methylcoumarin)								
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 77.5/15/7.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	69.5% (Nth 10.21%, Nfd 7.09%)								
Water content (KF volumetric)	1.1%								
Trifluoroacetic acid content (HPLC)	29.6%								
Latest update: July 07, 2011									