

# Analytical Data Sheet

Lot number

## 1051158

not for drug use

<b>Catalog Number</b>	I-1385.1000
<b>Product number</b>	4031332.1000
<b>Product</b>	H- Val- AMC trifluoroacetate salt
<b>Molecular formula</b>	C <sub>15</sub> H <sub>18</sub> N <sub>2</sub> O <sub>3</sub>
<b>Relative molecular mass</b>	274.32

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, yellowish solution (50 mg/mL in methanol)								
<b>Identification (elemental analysis)</b>	<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 %								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Purity (TLC)</b>	> 99%								
<b>Related impurities (TLC)</b>	< < 0.1 % AMC (7-amido-4-methylcoumarin)								
<b>TLC conditions</b>	chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid 77.5/15/7.5 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
<b>Assay (elemental analysis)</b>	69.5% (Nth 10.21%, Nfd 7.09%)								
<b>Water content (KF volumetric)</b>	1.1%								
<b>Trifluoroacetic acid content (HPLC)</b>	29.6%								
Latest update: December 03, 2013									