

# Analytical Data Sheet

Lot number

## 0571834

not for drug use

<b>Catalog Number</b>	I-1120.0250
<b>Product number</b>	4003460.0250
<b>Product</b>	Boc- Val- Pro- Arg- AMC hydrochloride salt
<b>Molecular formula</b>	C <sub>31</sub> H <sub>45</sub> N <sub>7</sub> O <sub>7</sub>
<b>Relative molecular mass</b>	627.74

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless 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 = 55.9 %</td> <td>C = 56.0 %</td> </tr> <tr> <td>H = 7.0 %</td> <td>H = 7.0 %</td> </tr> <tr> <td>N = 14.7 %</td> <td>N = 14.6 %</td> </tr> </table> <p>calculated as 1 HCl (Cl- 5.32 %) x 0.1 H<sub>2</sub>O (0.27 %)</p>	Theory	Found	C = 55.9 %	C = 56.0 %	H = 7.0 %	H = 7.0 %	N = 14.7 %	N = 14.6 %
Theory	Found								
C = 55.9 %	C = 56.0 %								
H = 7.0 %	H = 7.0 %								
N = 14.7 %	N = 14.6 %								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	181 °C (foam)								
<b>Purity (TLC)</b>	> 99%								
<b>Related impurities (TLC)</b>	< 0.1% AMC (7-amino-4-methylcoumarin) < 0.1% H-Arg-AMC								
<b>TLC conditions</b>	chloroform/methanol/acetic acid(98-100%)/H <sub>2</sub> O 45/13/1/2 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 chloroform/methanol/acetic acid/H <sub>2</sub> O 85/13/0.5/1.5 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
<b>Assay (elemental analysis)</b>	93.4% (Nth 15.62 %, Nfd 14.59 %)								
<b>Water content (KF volumetric)</b>	0.4%								
<b>Chloride content (titration)</b>	5.3% (AgNO <sub>3</sub> )								
Latest update: October 25, 2008									