

Analytical Data Sheet

Lot number

1024755

not for drug use

Catalog Number	L-1855.1000
Product number	4019078.1000
Product	H- Val- pNA · HCl
Molecular formula	C ₁₁ H ₁₅ N ₃ O ₃ · HCl
Relative molecular mass	273.72

Tests	Results								
Appearance	off-white product								
Appearance of solution	clear solution (100 mg / 4 ml in ethylacetate)								
Identification (IR)	conforms with the reference								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 47.95 %</td> <td>C = 47.71 %</td> </tr> <tr> <td>H = 5.93 %</td> <td>H = 5.89 %</td> </tr> <tr> <td>N = 15.25 %</td> <td>N = 14.83 %</td> </tr> </table> <p>calc. as 0.1 H₂O (0.7 %) x HCl (Cl⁻ 13.0 %)</p>	Theory	Found	C = 47.95 %	C = 47.71 %	H = 5.93 %	H = 5.89 %	N = 15.25 %	N = 14.83 %
Theory	Found								
C = 47.95 %	C = 47.71 %								
H = 5.93 %	H = 5.89 %								
N = 15.25 %	N = 14.83 %								
Identification (TLC)	complies with authentic material								
Specific optical rotation	[α] _D ²⁴ = + 63.6 ° (1 % in methanol)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid(98-100%)/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, chlorine-tolidine								
Water content (KF volumetric)	0.5%								
Chloride content (titration)	12.8% (AgNO ₃)								
Latest update: June 22, 2009									