

Analytical Data Sheet

Lot number **1064886**
not for drug use

Catalog number **L-1855.0250**
Product number **4019078.0250**
Product **H- Val- pNA · HCl**
Molecular formula **C₁₁H₁₅N₃O₃ · 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> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <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> </tbody> </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: March 24, 2016

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