

Analytical Data Sheet

Lot number **1000016033**
not for drug use

Catalog number **K-1380.0005**
Product number **4001935.0005**
Product **H- Leu- β NA**
Molecular formula **C₁₆H₂₀N₂O**
Relative molecular mass **256.35**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 75.0 %</td> <td>C = 74.7 %</td> </tr> <tr> <td>H = 7.9 %</td> <td>H = 7.7 %</td> </tr> <tr> <td>N = 10.9 %</td> <td>N = 10.8 %</td> </tr> </tbody> </table>	Theory	Found	C = 75.0 %	C = 74.7 %	H = 7.9 %	H = 7.7 %	N = 10.9 %	N = 10.8 %
Theory	Found								
C = 75.0 %	C = 74.7 %								
H = 7.9 %	H = 7.7 %								
N = 10.9 %	N = 10.8 %								
Identification (TLC)	complies with authentic material								
Melting point	110 ° C								
Specific optical rotation	$[\alpha]_D^{24} = +20.6^\circ$ (1 % MeOH)								
Purity (TLC)	> 99%								
Related impurities (TLC)	< 0.1% β NA								
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol 8/2 chloroform/methanol/acetic acid 77.5/15/7.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.0% (Nth 10.93 %, Nfd 10.82%)								

Latest update: May 14, 2019

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