

Analytical Data Sheet

Lot number

1018796

not for drug use

Catalog Number	K-1375.0001
Product number	4003923.0001
Product	H- Ile- βNA
Molecular formula	C₁₆H₂₀N₂O
Relative molecular mass	256.35

Tests	Results								
Appearance	beige-grey powder								
Appearance of solution	clear, slightly yellowish solution (50 mg/mL in methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 75.0 %</td> <td>C = 74.9 %</td> </tr> <tr> <td>H = 7.9 %</td> <td>H = 7.7 %</td> </tr> <tr> <td>N = 10.9 %</td> <td>N = 10.9 %</td> </tr> </table>	Theory	Found	C = 75.0 %	C = 74.9 %	H = 7.9 %	H = 7.7 %	N = 10.9 %	N = 10.9 %
Theory	Found								
C = 75.0 %	C = 74.9 %								
H = 7.9 %	H = 7.7 %								
N = 10.9 %	N = 10.9 %								
Identification (TLC)	complies with authentic material								
Melting point	64 °C								
Purity (TLC)	> 99%								
Related impurities (TLC)	< 0.1% βNA								
TLC conditions	chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/methanol 8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.6% (Nth 10.93 %, Nfd 10.89 %)								
Latest update: March 11, 2010									