

Analytical Data Sheet

Lot number

1050866

not for drug use

Catalog Number	A-2185.0005
Product number	4001445.0005
Product	Boc- Phe- ONp
Molecular formula	$C_{20}H_{22}N_2O_6$
Relative molecular mass	386.41

Tests	Results								
Appearance	off-white powder								
Appearance of solution	clear, yellowish solution (50mg/ml in acetone)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 62.2 %</td> <td>C = 62.4 %</td> </tr> <tr> <td>H = 5.7 %</td> <td>H = 5.7 %</td> </tr> <tr> <td>N = 7.3 %</td> <td>N = 7.3 %</td> </tr> </table>	Theory	Found	C = 62.2 %	C = 62.4 %	H = 5.7 %	H = 5.7 %	N = 7.3 %	N = 7.3 %
Theory	Found								
C = 62.2 %	C = 62.4 %								
H = 5.7 %	H = 5.7 %								
N = 7.3 %	N = 7.3 %								
Identification (TLC)	complies with authentic material								
Melting point	130 °C								
Specific optical rotation	$[\alpha]_D^{24} = -22.4^\circ$ (1 % in dimethylformamide)								
Purity (TLC)	≥ 98%								
TLC conditions	chloroform/methanol/acetic acid 90/8/2 ethylacetate/hexane 4/5 chloroform/ethylacetate 9/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	100.4% (Cth 62.17 %, Cfd 62.44 %)								

Latest update: November 14, 2013

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