

Analytical Data Sheet

Lot number

1005368

not for drug use

Catalog Number	A-2655.0005
Product number	4011119.0005
Product	Boc- p- chloro- D- Phe- OH
Molecular formula	C ₁₄ H ₁₈ ClNO ₄
Relative molecular mass	299.75

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 56.1%</td> <td>C = 56.3%</td> </tr> <tr> <td>H = 6.1%</td> <td>H = 5.9%</td> </tr> <tr> <td>N = 4.7%</td> <td>N = 4.7%</td> </tr> </table>	Theory	Found	C = 56.1%	C = 56.3%	H = 6.1%	H = 5.9%	N = 4.7%	N = 4.7%
Theory	Found								
C = 56.1%	C = 56.3%								
H = 6.1%	H = 5.9%								
N = 4.7%	N = 4.7%								
Identification (TLC)	complies with authentic material								
Melting point	111 °C								
Specific optical rotation	$[\alpha]_D^{24} = -24.7^\circ$ (1 % in ethylacetate)								
Purity (TLC)	> 99%								
Related impurities (TLC)	< 0.1% H-p-chloro-D-Phe								
TLC conditions	toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 85/10/5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Enantiomer content (GC)	< 0.1% L-Enantiomer								
Assay (elemental analysis)	100.3% (Cth 56.10%, Cfd 56.25%)								
Latest update: October 24, 2008									