

# Analytical Data Sheet

Lot number

## 1008573

not for drug use

Catalog Number	A-3075.0001
Product number	4013943.0001
Product	Boc- D- 1, 2, 3, 4- tetrahydroisoquinoline- 3- carboxylic acid
Molecular formula	C <sub>15</sub> H <sub>19</sub> NO <sub>4</sub>
Relative molecular mass	277.32

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 = 64.97 %</td> <td>C = 64.56 %</td> </tr> <tr> <td>H = 6.91 %</td> <td>H = 6.81 %</td> </tr> <tr> <td>N = 5.05 %</td> <td>N = 4.94 %</td> </tr> </table>	Theory	Found	C = 64.97 %	C = 64.56 %	H = 6.91 %	H = 6.81 %	N = 5.05 %	N = 4.94 %
Theory	Found								
C = 64.97 %	C = 64.56 %								
H = 6.91 %	H = 6.81 %								
N = 5.05 %	N = 4.94 %								
Identification (TLC)	complies with authentic material								
Melting point	128 ° C								
Specific optical rotation	$[\alpha]_D^{24} = -26.3^\circ$ (1 % in acetone)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/benzene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 benzene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
Enantiomer content (GC)	0.5% L-Enantiomer (educt)								

Latest update: October 24, 2008

Analytical Data Sheet  
Lot number 1008573