

Analytical Data Sheet

Lot number

1039244

not for drug use

Catalog Number	E-1670.0025
Product number	4002448.0025
Product	H- Thr(tBu) - OH
Molecular formula	C₈H₁₇NO₃
Relative molecular mass	175.23

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in water)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 54.84 %</td> <td>C = 54.90 %</td> </tr> <tr> <td>H = 9.78 %</td> <td>H = 8.85 %</td> </tr> <tr> <td>N = 7.99 %</td> <td>N = 8.05 %</td> </tr> </table>	Theory	Found	C = 54.84 %	C = 54.90 %	H = 9.78 %	H = 8.85 %	N = 7.99 %	N = 8.05 %
Theory	Found								
C = 54.84 %	C = 54.90 %								
H = 9.78 %	H = 8.85 %								
N = 7.99 %	N = 8.05 %								
Identification (TLC)	complies with authentic material								
Specific optical rotation	[α] _D ²⁴ = - 44.4 ° (1 % in methanol)								
Purity (TLC)	> 98%								
TLC conditions	chloroform/methanol/acetic acid 32 % 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: ninhydrin, chlorine-tolidine								
Latest update: October 18, 2011	Analytical Data Sheet Lot number 1039244								