

Analytical Data Sheet

Lot number **1076195**
not for drug use

Catalog number **E-1670.0005**
Product number **4002448.0005**
Product **H- Thr(tBu) - OH**
Molecular formula $C_8H_{17}NO_3$
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> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <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> </tbody> </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	$[\alpha]_D^{24} = -44.4^\circ$ (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: March 27, 2018

Analytical Data Sheet
Lot number **1076195**