

Analytical Data Sheet

Lot number

1028461

not for drug use

Catalog Number	A-3610.0005
Product number	4025120.0005
Product	Boc- Homocys(Trt) - OH
Molecular formula	C₂₈H₃₁NO₄S
Relative molecular mass	477.62

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 70.4 %</td> <td>C = 70.3 %</td> </tr> <tr> <td>H = 6.5 %</td> <td>H = 6.4 %</td> </tr> <tr> <td>N = 2.9 %</td> <td>N = 2.9 %</td> </tr> </table>	Theory	Found	C = 70.4 %	C = 70.3 %	H = 6.5 %	H = 6.4 %	N = 2.9 %	N = 2.9 %
Theory	Found								
C = 70.4 %	C = 70.3 %								
H = 6.5 %	H = 6.4 %								
N = 2.9 %	N = 2.9 %								
Identification (TLC)	conforms with authentic material								
Melting point	134 °C								
Specific optical rotation	$[\alpha]_D^{24} = +30.5^\circ$ (1 %, in MeOH)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Enantiomer content (GC)	0.7% D-Enantiomer								

Latest update: January 11, 2010

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