

Analytical Data Sheet

Lot number **1065853**
not for drug use

Catalog number **A-4620.0001**
Product number **4041792.0001**
Product **Boc- D- Homocys(Trt) - OH**
Molecular formula **C₂₈H₃₁NO₄S**
Relative molecular mass **477.63**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (ESI-MS)	m = 477.4u (average mass)
Identification (TLC)	Complies with authentic material
Melting point	134 °C
Specific optical rotation	$[\alpha]_D^{24} = -30.4^\circ$ (1 % MeOH)
Purity (TLC)	> 99%
TLC conditions	Chloroform/methanol/acetic acid 90/8/2 Chloroform/methanol/toluene/H ₂ O 8/8/8/1 Toluene/dioxane/acetic acid 95/25/4 Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	99.3% (Cth 70.41 %, Cfd 69.88 %)

Latest update: May 12, 2016

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