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Certificate of Analysis

Catalogue Number 07053
Lot Number 000127-1024252
Product **Fmoc-S-Boc-3-aminopropyl-L-cysteine**

Fmoc-L-Cys(Boc-3-aminopropyl)-OH

CAS Number 173963-91-2
Molecular Formula C₂₆H₃₂N₂O₆S

Molecular Weight 500.62

Appearance White powder
Solubility Clear colorless solution (50 mg/mL in Dioxane)
Melting Point 117 °C
Elemental Analysis (Theory) C = 61.93%; H = 6.48%; N = 5.56%
Elemental Analysis (Found) C = 61.82%; H = 6.21%; N = 5.85%
Water Content (Karl Fisher) 0.5%
TLC System Chloroform/Ethyl acetate/Benzene/H₂O (8:8:8:1)
Chloroform/Methanol/Acetic Acid/ (90:8:2)
Benzene/Dioxane/Acetic Acid (95:25:4)
Plate: silicagel 60 F₂₅₄
Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation [α]_D²⁴ = -29.2° (C=1 in Dimethylformamide)
Related Substances < 0.3% Fmoc-Cys(Aminopropyl)-OH
Purity by HPLC 98.3%
Purity by TLC > 98%
Storage Store at 0-8 °C

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager