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Certificate of Analysis

Catalogue Number 05457
Lot Number 000127-1022964
Product ***N*^α-Boc-L-arginine**

Boc-L-Arg-OH

CAS Number 13726-76-6
Molecular Formula C₁₁H₂₂N₄O₄

Molecular Weight 274.32

Appearance White powder
Solubility Clear colorless solution (50 mg/mL in Water)
Elemental Analysis (Found) C = 45.1%; H = 8.1%; N = 19.5%
Calcd. X 1.1 Water (6.5%)
Water Content (Karl Fisher) 6.4%
TLC System n-Butanol/Acetic acid/Water (4:2:2)
Ethylacetate/Pyridine/Acetic acid/Water (60:30:9:16.5)
Chloroform/Methanol/Acetic acid 32% (5:3:1)
Plate: Silicagel 60 F₂₅₄
Detected by: UV, ninhydrin, Chlorine-Tolidine
Optical Rotation [α]_D²⁰ = -7.1° (C=2 in AcOH)
Purity by TLC > 99%
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