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Certificate of Analysis

Catalogue Number 05856
Lot Number 000127-1009987
Product **H-Arg(Pmc)-OtBu (free base)**

CAS Number 169543-81-1

Molecular Formula C₂₄H₄₀N₄O₅S

Molecular Weight 496.68

Appearance White powder

Appearance of Solution Clear light yellowish solution (50 mg/mL in Methanol)

Melting Point 121 °C

Elemental Analysis (Theory) C = 58.0%; H = 8.1%; N = 11.3%

Elemental Analysis (Found) C = 57.8%; H = 8.1%; N = 11.2%

TLC System Chloroform/Methanol/Toluene/H₂O (8:8:8:1)
Chloroform/Methanol/Acetic acid (77.5:15:7.5)
Ethyl acetate/Pyridine/Acetic acid/H₂O (60:20:6:11)
Plate: silicagel 60 F₂₅₄
Detected by: UV, ninhydrin, TMB

Assay 99.5% (Nth 11.28%, Nfd 11.22%)

Purity by TLC > 98%

Storage Store at ≤ -4 °C

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