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Certificate of Analysis

Catalogue Number 03992
Product **Boc-L-isoleucine 4-nitrophenyl ester**

Lot Number 122988
Boc-L-Ile-ONp

CAS Number 16948-38-2
Molecular Formula C₁₇H₂₄N₂O₆

Molecular Weight 352.39

Solubility Clear solution (5% in Acetone)

Melting Point 64-70 °C

Elemental Analysis (Theory) C = 57.94%; H = 6.86%; N = 7.95%

Elemental Analysis (Found) C = 58.40%; H = 6.69%; N = 8.31%

TLC System Chloroform/Methanol/Acetic Acid (90:8:2) R_f = 0.80
Chloroform/Methanol (9:1) R_f = 0.8
Detected by: UV, ninhydrin, chlorine-tolidine, NH₃

Optical Rotation [α]_D²⁴ = -33.2° (C=2 in DMF)

Purity by TLC > 98%

Storage Store at 0-8°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