

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number 06122
Lot Number 000129-13146
Product **L-Leucine 7-amido-4-methylcoumarin**

L-Leu-AMC

CAS Number 66447-31-2
Molecular Formula C₁₆H₂₀N₂O₃

Molecular Weight 288.37

Appearance White crystalline powder
Solubility Clear, colorless solution (25mg/mL in Methanol)
Melting Point 166-169 °C
TLC System Ethyl acetate/Pyridine/Acetic acid/H₂O (60:30:9:16.5)
Chloroform/Methanol/Acetic acid (77.5:15:7.5)
Chloroform/Methanol/Acetic Acid (98-100%) /H₂O (45:13:1:2)
Plate: Silica gel 60 F₂₅₄
Detected by: UV, ninhydrin, chlorine-tolidine

Optical Rotation +21.60° (c=1 in MeOH)
Assay by titration 97.80%
Purity by HPLC 99.9%
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