

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications

Catalogue Number	06122
Product	L-Leucine 7-amido-4-methylcoumarin L-Leu-AMC
CAS Number	66447-31-2
Molecular Formula	C ₁₆ H ₂₀ N ₂ O ₃
Molecular Weight	288.37
Appearance	White crystalline powder
Solubility	Clear, colorless solution (25mg/mL in Methanol)
Melting Point	164-171 °C
TLC System	Ethyl acetate/Pyridine/Acetic acid/H ₂ O (60:30:9:16.5) Chloroform/Methanol/Acetic acid (77.5:15:7.5) Chloroform/Methanol/Acetic Acid (98-100%) /H ₂ O (45:13:1:2) Plate: Silica gel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	+21.50° ± 1.5° (c=1 in MeOH)
Assay by titration	≥ 97.5%
Purity by HPLC	≥ 99.5%
Purity by TLC	≥ 99%
Storage	Store at 0-8°C

For Laboratory Use Only