

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 06183

Product **L-Phenylalanine pyrrolidide**

L-Phe-pyrrolidide

L-phenylalanine pyrrolidyl amide

CAS Number 56414-89-2

Molecular Formula C₁₃H₁₈N₂O

Molecular Weight 218.3

Appearance White powder

Solubility Clear, colorless solution (50 mg/mL in methanol)

Melting Point 74 - 78 °C

Elemental Analysis (Theory) C = 71.53 ± 0.5%, H = 8.31 ± 0.5%, N = 12.83 ± 0.5%

TLC System Chloroform/Methanol/Benzene/H₂O (8:8:8:1)
Chloroform/Methanol/Acetic Acid (98-100%)/H₂O (45:13:1:2)
Ethylacetate/Pyridine/Acetic Acid/H₂O (60:20:6:11)
plate : silicagel 60 F₂₅₄
Detected by : UV, ninhydrin, chlorine-tolidine

Optical Rotation [α]_D²⁴ = 89 ± 2 ° (C=1 in MeOH)

Purity by TLC ≥ 99%

Storage Store at 0 - 8 °C

For Laboratory Use Only