

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

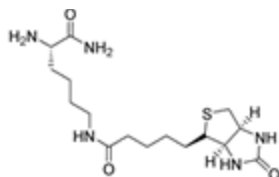
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number 10778

Product ***N*^ε-Biotinyl-L-lysine amide**

L-Lys(biotinyl)-NH₂

Biocytin amide

CAS Number 61125-53-9

Molecular Formula C₁₆H₂₉N₅O₃S

Molecular Weight 371.5

Appearance White powder

Solubility Clear, colorless solution (25mg/mL in 80% Acetic acid)

Melting Point 146-162 °C

Elemental Analysis (Theory) C = 49.34%; H = 8.02%; N = 17.98%; Calculated as 1 H₂O

Elemental Analysis (Found) C = 49.34 ± 0.5%; H = 8.02 ± 0.5%; N = 17.98 ± 0.5%;
Calculated as 1 H₂O

Water Content (Karl Fisher) ≤ 5%

TLC System n-Butanol/Acetic acid/H₂O (4:2:2)
Chloroform/Methanol/Acetic acid 32% (5:3:1)
Ethyl acetate/Pyridine/Acetic acid/H₂O (60:60:12:36)
Plate: Silica gel 60 F₂₅₄
Detected by: UV, ninhydrin, chlorine-tolidine

Assay ≥ 95% (Elemental analysis)

Purity by TLC ≥ 98%

Storage Store at 0-8°C

Product Specifications

Catalog Number: 10778

For Laboratory Use Only