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Certificate of Analysis

Catalogue Number 03303
Lot Number 518231
Product **L-Arg-Pro-pNA**

L-Arginyl-L-proline 4-nitroanilide

CAS Number 112898-06-3
Molecular Formula C₁₇H₂₅N₇O₄

Molecular Weight 391.43

Appearance Yellow powder
Solubility Clear, yellow solution (50mg/mL in Water)
Elemental Analysis (Theory) C = 48.62%; H = 6.57%; N = 18.90%
Elemental Analysis (Found) C = 48.29%; H = 6.59%; N = 18.79%; Calculated as 0.4 H₂O x 2 acetic acid
Water Content (Karl Fisher) 1.2%
TLC System n-Butanol/Acetic acid/H₂O (4:2:2)
Chloroform/Methanol/Acetic acid 32% (15:4:1)
Chloroform/Methanol/Acetic acid (90:8:2)
Plate: Silica gel 60 F₂₅₄
Detected by: UV, ninhydrin, chlorine-tolidine
Purity by TLC > 98%
Storage Store at 0-8 °C
Additional Information AcOH: 22.6%

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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