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Certificate of Analysis

Catalogue Number 05638
Lot Number 123428
Product *N*^α-Benzyl-*N*^{im}-benzyl-L-histidine

Bzl-L-His(Bzl)-OH

CAS Number 57101-60-7
Molecular Formula C₂₀H₂₁N₃O₂

Molecular Weight 335.41

Appearance White powder
Solubility Clear, colorless solution (5% in acetic acid 80%)
Melting Point 199-203 °C
Elemental Analysis (Found) C = 66.98%; H = 6.44%; N = 11.73%; Calculated as 1.25 H₂O
Water Content (Karl Fisher) 6.6%
TLC System n-Butanol/Acetic acid 32%/H₂O (4:2:2)
Chloroform/Methanol/Acetic acid 32% (5:3:1)
Plate: Silica gel 60 F₂₅₄
Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation [α]_D²⁴ = -20.1° (C=1% in Methanol)
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