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Product Specifications

Catalogue Number 08714
Product **His-Leu-OH**
L-Histidyl-L-leucine

CAS Number 7763-65-7
Molecular Formula C₁₂H₂₀N₄O₃

Molecular Weight 268.32

Appearance White powder
Solubility Clear, colorless solution (50 mg/mL in AcOH 80%)
Elemental Analysis (Theory) C = 53.7%; H = 7.5%; N = 20.9%
Elemental Analysis (Found) C = 53.6 ± 0.5%; H = 7.4 ± 0.5%; N = 20.9 ± 0.5%
Water Content (Karl Fisher) ≤ 1%
TLC System n-Butanol/Acetic acid/H₂O (4:2:2)
Isopropanol/Ammonia conc. (1:1)
Chloroform/Methanol/Acetic Acid 32% (5:3:1)
Plate: silicagel 60 F₂₅₄
Detected by: UV, ninhydrin, chlorine-toluidine
Optical Rotation [α]_D²⁴ = -10.1 ± 2° (C=1% in 1N HCl)
Purity by TLC ≥ 99%
Storage Store at 0-8 °C

For Laboratory Use Only