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Product Specifications

Catalogue Number 08808
Product **Leu-Leu-Leu-OH**
L-Leucyl-L-leucyl-L-leucine

CAS Number 10329-75-6

Molecular Formula C₁₈H₃₅N₃O₄

Molecular Weight 357.49

Appearance White powder

Solubility Clear, colorless solution (50 mg/mL in 80% Acetic acid)

Water Content (Karl Fisher) ≤ 3%

TLC System Chloroform/Methanol/Acetic Acid 32% (5:3:1)
n-Butanol/Acetic acid/Water (4:2:2)
Plate: silicagel 60 F₂₅₄
Detected by: UV, ninhydrin, chlorine-tolidine

Optical Rotation [α]_D²⁴ = -46.0 ± 1° (C=1% in 1N NaOH)

Assay ≥ 96% (Elemental Analysis based on Nitrogen Content)

Purity by TLC ≥ 99%

Storage Store at ≤ -4 °C

For Laboratory Use Only