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Product Specifications

Catalogue Number 02645

Product **Acetyl-L-valine amide**

Ac-L-Val-NH₂

CAS Number 37933-88-3

Molecular Formula C₇H₁₄N₂O₂

Molecular Weight 158.2

Appearance White powder

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

Melting Point 234-242 °C

Elemental Analysis (Theory) C = 52.84%; H = 8.93%; N = 17.61%

Elemental Analysis (Found) C = 52.98 ± 0.5%; H = 8.97 ± 0.5%; N = 17.76 ± 0.5%;
Calc. as 0.05 H₂O

Water Content (Karl Fisher) ≤ 1%

TLC System n-Butanol/Acetic acid/H₂O (4:2:2)
Chloroform/Methanol/Acetic acid 32% (5:3:1)
Chloroform/Methanol/Acetic acid/H₂O (70:42:0.5:10)
Plate: Silica gel 60 F₂₅₄
Detected by: UV, ninhydrin, chlorine-tolidine

Purity by TLC ≥ 99%

Storage Store at 0-8 °C

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For Laboratory Use Only