

Analytical Data Sheet

Lot number **1073809**
not for drug use

Catalog number **E-1105.0005**
Product number **4000614.0005**
Product **Ac- Leu- NH₂**
Molecular formula **C₈H₁₆N₂O₂**
Relative molecular mass **172.23**

| Tests | Results |
|-------------------------------|--|
| Appearance | white powder |
| Appearance of solution | clear, colorless solution (50 mg/mL in methanol) |
| Identification (TLC) | complies with authentic material |
| Specific optical rotation | $[\alpha]_D^{24} = -21.6^\circ$ (1% in water) |
| Purity (TLC) | > 99% |
| TLC conditions | chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 chloroform/methanol 8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB |
| Assay (elemental analysis) | 99.7% (Nth 16.27%, Nfd 16.22%) |
| Water content (KF volumetric) | 0.1% |

Latest update: October 30, 2017

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