

Analytical Data Sheet

Lot number **1072121**
not for drug use

Catalog number **F-1215.0050**
Product number **4006587.0050**
Product **[(2S, 3R) - 3- Amino- 2- hydroxy- 4- phenylbutyryl]-
L- leucine**
Molecular formula **C₁₆H₂₄N₂O₄**
Relative molecular mass **308.38**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in 80% acetic acid)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -21.8^\circ$ (0.8% in acetic acid)
Purity (HPLC)	99.5% (TFA)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (titration)	99.4% (TBAH)
Water content (KF volumetric)	0.8%

Latest update: June 12, 2017

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