

Analytical Data Sheet

Lot number **1000028585**
not for drug use

Catalog number **F-1000.0025**
Product number **4002334.0025**
Product **Ac- D- Ala- OH**
Molecular formula $C_5H_9NO_3$
Relative molecular mass 131.13

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Melting point	127 °C
Purity (HPLC)	99.5% (TFA)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-Ala-OH
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	0.1% L-enantiomer
Assay (titration)	99.5% (TBAH)

Latest update: February 14, 2020

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