

Analytical Data Sheet

Lot number **1000038282**
not for drug use

Product Z-Gly-Pro-OH
Product number **4000301.0005**
Molecular formula C₁₅H₁₈N₂O₅
Relative molecular mass 306.32

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Melting point	158 ° C
Specific optical rotation	[α] _D ²⁴ = -66.6 ° (2% in ethanol abs.)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% Z-Gly-OH
TLC conditions	n-butanol/acetic acid/ H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/ H ₂ O 60/20/6/11 chloroform/methanol/acetic acid/ H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	0.2% Z-Gly-D-Pro-OH
Assay (titration)	99.3% (TBAH)
Water content (KF volumetric)	0.1%

Latest update: September 15, 2020

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