

Analytical Data Sheet

Lot number	1000033402 not for drug use
Product	Z-Gly-OH
Product number	4000228.0100
Molecular formula	C ₁₀ H ₁₁ NO ₄
Relative molecular mass	209.20

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in acetonitrile)
Identification (ESI-MS)	m = 209.2u (average mass)
Identification (TLC)	complies with authentic material
Melting point	122 ° C
Purity (HPLC)	98.8% (TFA)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% Z-Gly-Gly-OH < 0.1% H-Gly-OH
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 n-butanol/acetic acid/ H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Other amino acids (GC)	< 0.3%
Assay (titration)	99.9% (TBAH)
Water content (KF volumetric)	< 0.1%

Latest update: June 26, 2020

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