

Analytical Data Sheet

Lot number **1000029231**
not for drug use

Catalog number **G-3340.0001**
Product number **4001732.0001**
Product **H- Trp- Gly- OH**
Molecular formula $C_{13}H_{15}N_3O_3$
Relative molecular mass 261.28

Tests	Results
Appearance	off-white powder
Appearance of solution	clear, colorless solution (20 mg/ml in H ₂ O)
Identification (elemental analysis)	Theory Found C = 55.91 % C = 55.57 % H = 6.14 % H = 6.06 % N = 15.04 % N = 14.86 %
Melting point	163 °C (decomposes)
Specific optical rotation	$[\alpha]_D^{24} = +87.2^\circ$ (2 % in water)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Water content (KF volumetric)	7.0%
Peptide content	93%

Latest update: March 12, 2020

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