

Analytical Data Sheet

Lot number **1073796**
not for drug use

Catalog number **H-3145.0250**
Product number **4001847.0250**
Product **Ophthalmic Acid**
H- Glu(Abu- Gly- OH) - OH
Molecular formula $C_{11}H_{19}N_3O_6$
Relative molecular mass 289.29

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	$[\alpha]_D^{24} = -28.0^\circ$ (1 % in water)
Purity (TLC)	98%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	91.8% (Nth 14.53 % Nfd 13.34 %)
Residual organic solvents (GC)	4.4% acetone 3.4% ethanol

Latest update: October 23, 2017

Analytical Data Sheet
Lot number **1073796**