

## Analytical Data Sheet

Lot number **1059656**  
not for drug use

Catalog number **H-3145.1000**  
Product number **4001847.1000**  
Product **Ophthalmic Acid**  
H- Glu(Abu- Gly- OH) - OH  
Molecular formula **C<sub>11</sub>H<sub>19</sub>N<sub>3</sub>O<sub>6</sub>**  
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 <sub>2</sub> O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F <sub>254</sub> 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: June 03, 2015

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