

## Analytical Data Sheet

Lot number **1000006680**  
not for drug use

Catalog number **G-1195.0001**  
Product number **4006259.0001**  
Product **H- Ala- Asp- OH**  
Molecular formula  $C_7H_{12}N_2O_5$   
Relative molecular mass 204.18

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (25 mg/ml in 80% AcOH)
Identification (elemental analysis)	Theory Found C = 41.2 % C = 41.0 % H = 5.9 % H = 5.7 % N = 13.7 % N = 13.7 %
Identification (TLC)	complies with authentic material
Melting point	215 °C
Specific optical rotation	$[\alpha]_D^{24} = +4.3^\circ$ ( 1 % 0.5N HCl)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-Ala-OH < 0.2% H-Asp-OH
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB

Latest update: September 27, 2018

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