

Analytical Data Sheet

Lot number **1059456**
not for drug use

Catalog number **F-2740.0005**
Product number **4017100.0005**
Product **H- Asu- OH**
Molecular formula **C₈H₁₅NO₄**
Relative molecular mass **189.21**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (10 mg/mL in 50% formic acid)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = + 19.8^\circ$ (2% in 5N HCl)
Purity (TLC)	≥ 99%
Related impurities (TLC)	< 0.2% Ac-D-Asn-OH
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 chloroform/methanol/acetic acid/H ₂ O 60/45/14/6 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine, TDM
Enantiomer content (GC)	< 0.1% D-Enantiomer
Assay (elemental analysis)	99.0% (Cth 50.78%, Cfd 50.29%)
Water content (KF volumetric)	0.5%

Latest update: May 21, 2015

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