

Analytical Data Sheet

Lot number **1070474**
not for drug use

Catalog number **F-3855.0005**
Product number **4028966.0005**
Product **H- D- Asp- OtBu**
Molecular formula **C₈H₁₅NO₄**
Relative molecular mass **189.21**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in acetic acid 80%)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 50.8%</td> <td>C = 50.6%</td> </tr> <tr> <td>H = 8.0%</td> <td>H = 7.7%</td> </tr> <tr> <td>N = 7.4%</td> <td>N = 7.4%</td> </tr> </tbody> </table>	Theory	Found	C = 50.8%	C = 50.6%	H = 8.0%	H = 7.7%	N = 7.4%	N = 7.4%
Theory	Found								
C = 50.8%	C = 50.6%								
H = 8.0%	H = 7.7%								
N = 7.4%	N = 7.4%								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = -19.1^\circ$ (1% in water)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (titration)	99.8% (HClO ₄)								
Water content (KF volumetric)	0.2%								

Latest update: March 02, 2017

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