

Analytical Data Sheet

Lot number **1074743**
not for drug use

Catalog number **C-3770.0001**
Product number **4019783.0001**
Product **Z- D- Dab- OH**
Molecular formula $C_{12}H_{16}N_2O_4$
Relative molecular mass 252.27

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in acetic acid 80 %)
Identification (elemental analysis)	Theory Found C = 57.1 % C = 56.8 % H = 6.4 % H = 6.3 % N = 11.1 % N = 11.1 %
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = + 9.6\%$ (1 % in AcOH 80 %)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 6/5/1/3 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	100.1% (Nth 11.10 %, Nfd 11.11 %)

Latest update: December 08, 2017

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