

Analytical Data Sheet

Lot number **1058299**
not for drug use

Catalog number **C-3705.0005**
Product number **4015635.0005**
Product **Z- 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, slightly yellow solution (50 mg/mL in acetic acid 80%)
Identification (elemental analysis)	Theory Found C = 57.1% C = 57.1% H = 6.4% H = 6.4% N = 11.1% N = 10.9%
Identification (TLC)	complies with authentic material
Melting point	185 °C
Specific optical rotation	$[\alpha]_D^{24} = -9.8^\circ$ (1% in acetic acid 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)	98.5% (Nth 11.10%, Nfd 10.93%)