# Analytical Data Sheet

**Lot number**

## 1039901

not for drug use

| | |
|---|---|
| **Catalog Number** | **C-3695.0001** |
| **Product number** | **4018916.0001** |
| **Product** | **Z- Dap(Z) - OH** |
| **Molecular formula** | $C_{19}H_{20}N_2O_6$ |
| **Relative molecular mass** | 372.38 |

| Tests | Results |
|---|---|
| **Appearance** | white powder |
| **Appearance of solution** | clear, colorless solution (50 mg/ml in MeOH) |
| **Identification (elemental analysis)** | Theory / Found<br>C = 61.3 % / C = 61.4 %<br>H = 5.4 % / H = 5.3 %<br>N = 7.5 % / N = 7.5 % |
| **Identification (TLC)** | complies with authentic material |
| **Melting point** | 102 °C |
| **Specific optical rotation** | $[\alpha]_D^{24}$ = - 15.2 ° ( 1 % MeOH) |
| **Purity (TLC)** | > 99% |
| **TLC conditions** | chloroform/methanol/acetic acid 85/10/5<br>chloroform/methanol/toluene/$H_2O$ 8/8/8/1<br>chloroform/methanol/acetic acid/$H_2O$ 70/42/0.5/10<br>plate: silicagel 60 $F_{254}$<br>detected by: UV, ninhydrin, chlorine-tolidine |
| **Assay (elemental analysis)** | 100.2% (Cth 61.28 %, Cfd 61.38 %) |
| **Water content (KF volumetric)** | 0.5% |

Latest update: December 01, 2011