

Analytical Data Sheet

Lot number

1018048

not for drug use

| | |
|--------------------------------|---|
| Catalog Number | C-1280.0005 |
| Product number | 4013558.0005 |
| Product | Z- D- Homophe- OH |
| Molecular formula | C ₁₈ H ₁₉ NO ₄ |
| Relative molecular mass | 313.35 |

| Tests | Results | | | | | | | | |
|--|--|--------|-------|------------|------------|-----------|-----------|-----------|-----------|
| Appearance | white powder | | | | | | | | |
| Appearance of solution | clear, colorless solution (50 mg/ml in methanol) | | | | | | | | |
| Identification (elemental analysis) | <table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 69.0 %</td> <td>C = 69.0 %</td> </tr> <tr> <td>H = 6.1 %</td> <td>H = 6.1 %</td> </tr> <tr> <td>N = 4.5 %</td> <td>N = 4.5 %</td> </tr> </table> | Theory | Found | C = 69.0 % | C = 69.0 % | H = 6.1 % | H = 6.1 % | N = 4.5 % | N = 4.5 % |
| Theory | Found | | | | | | | | |
| C = 69.0 % | C = 69.0 % | | | | | | | | |
| H = 6.1 % | H = 6.1 % | | | | | | | | |
| N = 4.5 % | N = 4.5 % | | | | | | | | |
| Identification (TLC) | <p>complies with authentic material</p> <p>reference lot 0569901</p> | | | | | | | | |
| Melting point | 107 ° C | | | | | | | | |
| Specific optical rotation | $[\alpha]_D^{24} = + 15.8^\circ$ (1% MeOH) | | | | | | | | |
| Purity (TLC) | > 99% | | | | | | | | |
| TLC conditions | <p>chloroform/ethylacetate/acetic acid 50/50/2</p> <p>chloroform/methanol/acetic acid 90/8/2</p> <p>toluene/dioxane/acetic acid 95/25/4</p> <p>plate: silicagel 60 F₂₅₄</p> <p>detected by: UV, chlorine-tolidine, ninhydrin, ammoniummolybdate</p> | | | | | | | | |
| Assay (elemental analysis) | 100.1 % (Cth 69.99%, Cfd 69.04%) | | | | | | | | |

Latest update: October 24, 2008

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