

Analytical Data Sheet

Lot number

0564943

not for drug use

| | |
|-------------------------|---|
| Catalog Number | C-2830.0005 |
| Product number | 4004839.0005 |
| Product | Z- Val- ONp |
| Molecular formula | C ₁₉ H ₂₀ N ₂ O ₆ |
| Relative molecular mass | 372.38 |

| Tests | Results | | | | | | | | |
|-------------------------------------|--|--------|-------|-------------|-------------|------------|------------|------------|------------|
| Appearance | white powder | | | | | | | | |
| Appearance of solution | clear, yellowish solution (50 mg/ml in acetone) | | | | | | | | |
| Identification (elemental analysis) | <table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 61.28 %</td> <td>C = 61.28 %</td> </tr> <tr> <td>H = 5.42 %</td> <td>H = 5.49 %</td> </tr> <tr> <td>N = 7.52 %</td> <td>N = 7.51 %</td> </tr> </table> | Theory | Found | C = 61.28 % | C = 61.28 % | H = 5.42 % | H = 5.49 % | N = 7.52 % | N = 7.51 % |
| Theory | Found | | | | | | | | |
| C = 61.28 % | C = 61.28 % | | | | | | | | |
| H = 5.42 % | H = 5.49 % | | | | | | | | |
| N = 7.52 % | N = 7.51 % | | | | | | | | |
| Identification (TLC) | complies with authentic material | | | | | | | | |
| Melting point | 64 °C | | | | | | | | |
| Specific optical rotation | $[\alpha]_D^{24}$ - 24.7 (1 % in dimethylformamide) | | | | | | | | |
| Purity (TLC) | > 98% | | | | | | | | |
| TLC conditions | toluene/dioxane/acetic acid 95/25/4 ethylacetate/hexane 4/5 plate: silicael 60 F ₂₅₄ detected by: UV, TMB | | | | | | | | |
| Latest update: October 25, 2008 | | | | | | | | | |