

Analytical Data Sheet

Lot number

1041214

not for drug use

| | |
|--------------------------------|------------------------------|
| Catalog Number | B-2430.0005 |
| Product number | 4025244.0005 |
| Product | Fmoc- D- Tyr(Me) - OH |
| Molecular formula | $C_{25}H_{23}NO_5$ |
| Relative molecular mass | 417.46 |

| Tests | Results | | | | | | | | |
|--|--|--------|-------|------------|------------|-----------|-----------|-----------|-----------|
| Appearance | white powder | | | | | | | | |
| Appearance of solution | clear, colorless solution (50 mg/ml in dioxane) | | | | | | | | |
| Identification (elemental analysis) | <table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 71.9 %</td> <td>C = 71.9 %</td> </tr> <tr> <td>H = 5.6 %</td> <td>H = 5.5 %</td> </tr> <tr> <td>N = 3.4 %</td> <td>N = 3.4 %</td> </tr> </table> | Theory | Found | C = 71.9 % | C = 71.9 % | H = 5.6 % | H = 5.5 % | N = 3.4 % | N = 3.4 % |
| Theory | Found | | | | | | | | |
| C = 71.9 % | C = 71.9 % | | | | | | | | |
| H = 5.6 % | H = 5.5 % | | | | | | | | |
| N = 3.4 % | N = 3.4 % | | | | | | | | |
| Identification (TLC) | complies with authentic material | | | | | | | | |
| Melting point | 163 °C | | | | | | | | |
| Purity (HPLC) | 99.8% (TFA, 260nm) | | | | | | | | |
| Purity (TLC) | > 99% | | | | | | | | |
| TLC conditions | chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 benzene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine | | | | | | | | |
| Latest update: February 24, 2012 | | | | | | | | | |