

Analytical Data Sheet

Lot number

1042113

not for drug use

| | |
|--------------------------------|------------------------------|
| Catalog Number | B-2200.0001 |
| Product number | 4017844.0001 |
| Product | Fmoc- Asn(Trt) - OPfp |
| Molecular formula | $C_{44}H_{31}F_5N_2O_5$ |
| Relative molecular mass | 762.73 |

| Tests | Results | | | | | | | | |
|--|--|--------|-------|-------------|-------------|------------|------------|------------|------------|
| Appearance | white crystalline 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 = 68.48 %</td> <td>C = 68.39 %</td> </tr> <tr> <td>H = 4.18 %</td> <td>H = 4.24 %</td> </tr> <tr> <td>N = 3.63 %</td> <td>N = 3.53 %</td> </tr> </table> | Theory | Found | C = 68.48 % | C = 68.39 % | H = 4.18 % | H = 4.24 % | N = 3.63 % | N = 3.53 % |
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| H = 4.18 % | H = 4.24 % | | | | | | | | |
| N = 3.63 % | N = 3.53 % | | | | | | | | |
| Identification (TLC) | conforms with authentic material | | | | | | | | |
| Melting point | 152 °C | | | | | | | | |
| Purity (HPLC) | 97.9% (TFA) | | | | | | | | |
| Purity (TLC) | decomposes on TLC plate | | | | | | | | |
| TLC conditions | benzene/dioxane/acetic acid 95/25/4 chloroform/ethylacetate 1/1 ethylacetate/hexane 4/5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine | | | | | | | | |
| Assay (elemental analysis) | 98.7% (Cth 69.29 %, Cfd 68.39 %) | | | | | | | | |
| Latest update: April 17, 2012 | | | | | | | | | |