

Analytical Data Sheet

Lot number

1027182

not for drug use

| | |
|--------------------------------|-------------------------------------|
| Catalog Number | A-3830.0001 |
| Product number | 4002239.0001 |
| Product | Boc- Ser(Me) - OH · DCHA |
| Molecular formula | $C_9H_{17}NO_5 \cdot C_{12}H_{23}N$ |
| Relative molecular mass | 400.56 |

| Tests | Results | | | | | | | | |
|--|---|--------|-------|-------------|-------------|-------------|------------|------------|------------|
| Appearance | white powder | | | | | | | | |
| Appearance of solution | clear, colorless solution (50 mg/ml in MeOH) | | | | | | | | |
| Identification (elemental analysis) | <table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 62.97 %</td> <td>C = 62.89 %</td> </tr> <tr> <td>H = 10.07 %</td> <td>H = 9.92 %</td> </tr> <tr> <td>N = 6.99 %</td> <td>N = 6.96 %</td> </tr> </table> | Theory | Found | C = 62.97 % | C = 62.89 % | H = 10.07 % | H = 9.92 % | N = 6.99 % | N = 6.96 % |
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| C = 62.97 % | C = 62.89 % | | | | | | | | |
| H = 10.07 % | H = 9.92 % | | | | | | | | |
| N = 6.99 % | N = 6.96 % | | | | | | | | |
| Identification (TLC) | conforms with authentic material | | | | | | | | |
| Melting point | 127 °C | | | | | | | | |
| Specific optical rotation | $[\alpha]_D^{24} = +17.7^\circ$ (2 % in MeOH) | | | | | | | | |
| Purity (TLC) | > 99% | | | | | | | | |
| TLC conditions | toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid 85/10/5 chloroform/methanol/toluene/H ₂ O 8/8/8/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine | | | | | | | | |
| Enantiomer content (GC) | 0.2% D-Enantiomer | | | | | | | | |
| Assay (elemental analysis) | 99.9% (Cth 62.97 %, Cfd 62.89 %) | | | | | | | | |

Latest update: October 29, 2009

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