

Analytical Data Sheet

Lot number

1040111

not for drug use

| | |
|--------------------------------|-------------------------------|
| Catalog Number | A-4625.0001 |
| Product number | 4039503.0001 |
| Product | Boc- β- iodo- Ala- OMe |
| Molecular formula | $C_9H_{16}INO_4$ |
| Relative molecular mass | 329.14 |

| 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 = 32.8 %</td> <td>C = 32.9 %</td> </tr> <tr> <td>H = 4.9 %</td> <td>H = 4.9 %</td> </tr> <tr> <td>N = 4.3 %</td> <td>N = 4.2 %</td> </tr> </table> | Theory | Found | C = 32.8 % | C = 32.9 % | H = 4.9 % | H = 4.9 % | N = 4.3 % | N = 4.2 % |
| Theory | Found | | | | | | | | |
| C = 32.8 % | C = 32.9 % | | | | | | | | |
| H = 4.9 % | H = 4.9 % | | | | | | | | |
| N = 4.3 % | N = 4.2 % | | | | | | | | |
| Identification (TLC) | complies with authentic material | | | | | | | | |
| Specific optical rotation | $[\alpha]_D^{24} = -4.4^\circ$ (1 % in methanol) | | | | | | | | |
| Purity (TLC) | > 99% | | | | | | | | |
| TLC conditions | ethylacetate/hexane 2/8 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine | | | | | | | | |
| Assay (elemental analysis) | 100.1 % (Cth 32.84 %, Cfd 32.86 %) | | | | | | | | |
| Latest update: December 14, 2011 | Analytical Data Sheet Lot number 1040111 | | | | | | | | |