

Analytical Data Sheet

Lot number

1025405

not for drug use

| | |
|--------------------------------|--|
| Catalog Number | E-2035.0100 |
| Product number | 4001062.0100 |
| Product | H- Ile- OBzl · p- tosylate |
| Molecular formula | C ₁₃ H ₁₉ NO ₂ · C ₇ H ₈ O ₃ S |
| Relative molecular mass | 393.50 |

| 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 = 61.05 %</td> <td>C = 60.72 %</td> </tr> <tr> <td>H = 6.92 %</td> <td>H = 6.95 %</td> </tr> <tr> <td>N = 3.56 %</td> <td>N = 3.51 %</td> </tr> </table> | Theory | Found | C = 61.05 % | C = 60.72 % | H = 6.92 % | H = 6.95 % | N = 3.56 % | N = 3.51 % |
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| C = 61.05 % | C = 60.72 % | | | | | | | | |
| H = 6.92 % | H = 6.95 % | | | | | | | | |
| N = 3.56 % | N = 3.51 % | | | | | | | | |
| Identification (TLC) | complies with authentic material | | | | | | | | |
| Melting point | 151 °C | | | | | | | | |
| Purity (TLC) | > 99% | | | | | | | | |
| TLC conditions | ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB | | | | | | | | |
| Assay (elemental analysis) | 99.5% (Cth 61.05 %, Cfd 60.72 %) | | | | | | | | |
| Latest update: July 28, 2009 | | | | | | | | | |