

Analytical Data Sheet

Lot number

1025677

not for drug use

| | |
|--------------------------------|---|
| Catalog Number | I-1090.0050 |
| Product number | 4007281.0050 |
| Product | H- Cys(Bzl) - AMC |
| Molecular formula | C ₂₀ H ₂₀ N ₂ O ₃ S |
| Relative molecular mass | 368.46 |

| Tests | Results | | | | | | | | |
|--|--|--------|-------|------------|------------|-----------|-----------|-----------|-----------|
| Appearance | off-white powder | | | | | | | | |
| Appearance of solution | clear, colorless solution (50 mg/ml in MeOH) | | | | | | | | |
| Identification (ESI-MS) | m = 368.3u (average mass) | | | | | | | | |
| Identification (elemental analysis) | <table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 65.2 %</td> <td>C = 65.5 %</td> </tr> <tr> <td>H = 5.5 %</td> <td>H = 5.6 %</td> </tr> <tr> <td>N = 7.6 %</td> <td>N = 7.6 %</td> </tr> </table> | Theory | Found | C = 65.2 % | C = 65.5 % | H = 5.5 % | H = 5.6 % | N = 7.6 % | N = 7.6 % |
| Theory | Found | | | | | | | | |
| C = 65.2 % | C = 65.5 % | | | | | | | | |
| H = 5.5 % | H = 5.6 % | | | | | | | | |
| N = 7.6 % | N = 7.6 % | | | | | | | | |
| Purity (TLC) | > 99% | | | | | | | | |
| TLC conditions | chloroform/methanol 9/1 chloroform/methanol/acetic acid/H ₂ O 90/10/0.5/1 benzene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected: UV, ninhydrin, chlorine-tolidine | | | | | | | | |
| Assay (titration) | 98.3% (HClO ₄) | | | | | | | | |
| Latest update: August 03, 2009 | Analytical Data Sheet Lot number 1025677 | | | | | | | | |