

Analytical Data Sheet

Lot number

1026408

not for drug use

| | |
|--------------------------------|---|
| Catalog Number | G-1105.0250 |
| Product number | 4002903.0250 |
| Product | Ac- Tyr- Phe- OH |
| Molecular formula | C ₂₀ H ₂₂ N ₂ O ₅ |
| Relative molecular mass | 370.41 |

| Tests | Results | | | | | | | | |
|--|--|--------|-------|-------------|-------------|------------|------------|------------|------------|
| Appearance | white powder | | | | | | | | |
| Appearance of solution | clear, colorless solution (10 mg/ml in methanol) | | | | | | | | |
| Identification (elemental analysis) | <table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 64.23 %</td> <td>C = 63.83 %</td> </tr> <tr> <td>H = 6.04 %</td> <td>H = 5.71 %</td> </tr> <tr> <td>N = 7.49 %</td> <td>N = 7.48 %</td> </tr> </table> <p>calc. as 0.2 H₂O (1.0 %)</p> | Theory | Found | C = 64.23 % | C = 63.83 % | H = 6.04 % | H = 5.71 % | N = 7.49 % | N = 7.48 % |
| Theory | Found | | | | | | | | |
| C = 64.23 % | C = 63.83 % | | | | | | | | |
| H = 6.04 % | H = 5.71 % | | | | | | | | |
| N = 7.49 % | N = 7.48 % | | | | | | | | |
| Purity (TLC) | > 98% | | | | | | | | |
| TLC conditions | n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine | | | | | | | | |
| Water content (KF volumetric) | 0.8% | | | | | | | | |
| Latest update: September 10, 2009 | | | | | | | | | |