

Analytical Data Sheet

Lot number **1071446**
not for drug use

Catalog number **E-1420.0005**
Product number **4004029.0005**
Product **H- Asp(OtBu) - OMe · HCl**
Molecular formula **C₉H₁₇NO₄ · HCl**
Relative molecular mass **239.70**

| Tests | Results | | | | | | | | |
|-------------------------------------|--|--------|-------|------------|------------|-----------|-----------|-----------|-----------|
| Appearance | white powder | | | | | | | | |
| Appearance of solution | clear, colorless solution (50 mg/ml in methanol) | | | | | | | | |
| Identification (elemental analysis) | <table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 45.1 %</td><td>C = 45.0 %</td></tr><tr><td>H = 7.6 %</td><td>H = 7.5 %</td></tr><tr><td>N = 5.8 %</td><td>N = 5.8 %</td></tr></tbody></table> calc. x 1 HCl (14.8 %) | Theory | Found | C = 45.1 % | C = 45.0 % | H = 7.6 % | H = 7.5 % | N = 5.8 % | N = 5.8 % |
| Theory | Found | | | | | | | | |
| C = 45.1 % | C = 45.0 % | | | | | | | | |
| H = 7.6 % | H = 7.5 % | | | | | | | | |
| N = 5.8 % | N = 5.8 % | | | | | | | | |
| Identification (TLC) | complies with authentic material | | | | | | | | |
| Melting point | 174 °C | | | | | | | | |
| Purity (TLC) | > 99% | | | | | | | | |
| TLC conditions | chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine | | | | | | | | |
| Chloride content (titration) | 14.8% (AgNO ₃) | | | | | | | | |

Latest update: April 26, 2017

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