

Analytical Data Sheet

Lot number **1066293**
not for drug use

Catalog number **E-2040.0005**
Product number **4000214.0005**
Product **H- Ile- OtBu · HCl**
Molecular formula **C₁₀H₂₁NO₂ · HCl**
Relative molecular mass **223.74**

| Tests | Results |
|-------------------------------------|---|
| Appearance | white powder |
| Appearance of solution | clear, colorless solution (50 mg/mL in methanol) |
| Identification (elemental analysis) | Theory Found C = 53.7% C = 53.3% H = 9.9% H = 9.6% N = 6.3% N = 6.2% calc. x 1.0 HCl (16.3%) |
| Identification (TLC) | complies with authentic material |
| Melting point | 159 °C |
| Specific optical rotation | $[\alpha]_D^{24} = +29.8^\circ$ (2% in ethanol) |
| Purity (TLC) | > 99% |
| TLC conditions | chloroform/methanol/acetic acid 85/10/5 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB |
| Assay (elemental analysis) | 100.1% (Cth 53.68%, Cfd 53.74%) |
| Water content (KF volumetric) | 0.1% |
| Chloride content (titration) | 15.9% |

Latest update: June 21, 2016

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