

Analytical Data Sheet

Lot number **1000010705**
not for drug use

Catalog number **B-2315.0005**
Product number **4019778.0005**
Product **Fmoc- Pen(Trt) - OH**
Molecular formula **C₃₉H₃₅NO₄S**
Relative molecular mass **613.78**

| Tests | Results |
|-------------------------------------|---|
| Appearance | white powder |
| Appearance of solution | clear, colorless solution (50 mg/ml in methanol) |
| Identification (elemental analysis) | Theory Found C = 76.3 % C = 76.1 % H = 5.8 % H = 5.8 % N = 2.3 % N = 2.2 % |
| Identification (TLC) | complies with authentic material |
| Melting point | 112.7° C |
| Specific optical rotation | $[\alpha]_D^{24} = +33.3^\circ$ (1 % in MeOH) |
| Purity (HPLC) | 99.4% |
| Purity (TLC) | > 98% |
| TLC conditions | chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: IRH |
| Assay (elemental analysis) | 99.7% (Cth 76.32 %, Cfd 76.11 %) |

Latest update: January 15, 2019

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