

Analytical Data Sheet

Lot number **1000033828**
not for drug use

Product Fmoc-p-carboxy-Phe(OtBu)-OH
Product number **4027514.0005**
Molecular formula $C_{29}H_{29}NO_6$
Relative molecular mass 487.55

| Tests | Results |
|--|---|
| Appearance | white powder |
| Appearance of solution | clear, colorless solution (50 mg/mL in dioxane) |
| Identification (elemental analysis) | Theory Found C = 71.4% C = 71.3% H = 6.0% H = 6.1% N = 2.9% N = 2.8 % |
| Identification (TLC) | complies with authentic material |
| Purity (HPLC) | 99.4 % (TFA) |
| Purity (TLC) | > 99% |
| TLC conditions | toluene/dioxane/acetic acid 95/25/4 chloroform/ethylacetate/acetic acid 50/50/2 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine |
| Assay (elemental analysis) | 99.7% (Cth 71.44%, Cfd 71.25%) |
| Assay (titration) | 98.8% (TBAH) |

Latest update: June 24, 2020

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