

Analytical Data Sheet

Lot number **1054813**
not for drug use

Catalog number **B-2810.0001**
Product number **4027222.0001**
Product **Fmoc- D- Homophe- OH**
Molecular formula $C_{25}H_{23}NO_4$
Relative molecular mass 401.46

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in dioxane)
Identification (TLC)	Complies with authentic material
Melting point	144.4 °C
Specific optical rotation	$[\alpha]_D^{24} = + 8.8^\circ$ (1 % in DMF)
Purity (HPLC)	99.8% (TFA, 260 nm)
Purity (TLC)	> 99%
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: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	100.6% (Cth 74.80 %, Cfd 75.22 %)