

# Analytical Data Sheet

Lot number

## 1043195

not for drug use

<b>Catalog Number</b>	<b>B-3160.0001</b>
<b>Product number</b>	<b>4027844.0001</b>
<b>Product</b>	<b>Fmoc- 4- phenyl- D- Phe- OH</b>
<b>Molecular formula</b>	$C_{30}H_{25}NO_4$
<b>Relative molecular mass</b>	463.43

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in dioxane)
<b>Identification (TLC)</b>	complies with authentic material
<b>Melting point</b>	183 °C
<b>Purity (HPLC)</b>	99.8% (TFA)
<b>Purity (TLC)</b>	> 99%
<b>TLC conditions</b>	chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
<b>Enantiomer content (GC)</b>	< 0.1% L-Enantiomer
<b>Assay (titration)</b>	100.9% (TBAH)
<b>Water content (KF volumetric)</b>	0.1%
Latest update: June 19, 2012	