

## Analytical Data Sheet

Lot number **1076034**  
not for drug use

Catalog number **A-2205.0025**  
Product number **4003823.0025**  
Product **Boc- Phe- D- Leu- Phe- D- Leu- Phe- OH**  
Molecular formula **C<sub>44</sub>H<sub>59</sub>N<sub>5</sub>O<sub>8</sub>**  
Relative molecular mass **785.98**

Tests	Results								
Appearance	Off-white powder								
Appearance of solution	Clear, colorless solution (50 mg/ml in methanol)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 66.41 %</td><td>C = 66.47 %</td></tr><tr><td>H = 7.67 %</td><td>H = 7.12 %</td></tr><tr><td>N = 8.80 %</td><td>N = 8.90 %</td></tr></tbody></table> <p>Calculated as 1.1 H<sub>2</sub>O</p>	Theory	Found	C = 66.41 %	C = 66.47 %	H = 7.67 %	H = 7.12 %	N = 8.80 %	N = 8.90 %
Theory	Found								
C = 66.41 %	C = 66.47 %								
H = 7.67 %	H = 7.12 %								
N = 8.80 %	N = 8.90 %								
Purity (TLC)	> 98%								
TLC conditions	Chloroform/methanol/acetic acid 90/8/2 Chloroform/methanol/acetic acid/H <sub>2</sub> O 85/13/0.5/1.5 Chloroform/methanol/benzene/H <sub>2</sub> O 8/8/8/1 Benzene/dioxane/acetic acid 95/25/4 Pate: silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine tolidine								
Water content (KF volumetric)	1.1%								

Latest update: March 15, 2018

**Analytical Data Sheet**  
Lot number **1076034**