

Analytical Data Sheet

Lot number **1060029**
not for drug use

Catalog number **B-3800.0001**
Product number **4040548.0001**
Product **Fmoc- D- Thr(PO(OBzl) OH) - OH**
Molecular formula **C₂₆H₂₆NO₈P**
Relative molecular mass **511.47**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in dioxane)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 60.8 %</td> <td>C = 60.6 %</td> </tr> <tr> <td>H = 5.2 %</td> <td>H = 5.3 %</td> </tr> <tr> <td>N = 2.7 %</td> <td>N = 2.7 %</td> </tr> </tbody> </table> <p>calc. x 0.1 H₂O (0.35 %)</p>	Theory	Found	C = 60.8 %	C = 60.6 %	H = 5.2 %	H = 5.3 %	N = 2.7 %	N = 2.7 %
Theory	Found								
C = 60.8 %	C = 60.6 %								
H = 5.2 %	H = 5.3 %								
N = 2.7 %	N = 2.7 %								
Identification (TLC)	complies with authentic material								
Melting point	158 °C								
Purity (HPLC)	98.1% (TFA)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine, ammoniummolybdate								
Assay (elemental analysis)	99.3% (Cth 61.06 %, Cfd 60.62 %)								

Latest update: June 22, 2015

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