

Analytical Data Sheet

Lot number **1000012035**
not for drug use

Catalog number **F-4040.0001**
Product number **4034632.0001**
Product **Fmoc- 4- (neopentylloxysulfonyl) - Abu- OH**
(S) - 2- (Fmoc- amino) - 4- neopentylloxysulfonyl- butyric acid
Molecular formula **C₂₄H₂₉NO₇S**
Relative molecular mass **475.56**

Tests	Results								
Appearance	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 = 60.6%</td> <td>C = 60.2%</td> </tr> <tr> <td>H = 6.2%</td> <td>H = 6.3%</td> </tr> <tr> <td>N = 3.0%</td> <td>N = 2.9%</td> </tr> </tbody> </table>	Theory	Found	C = 60.6%	C = 60.2%	H = 6.2%	H = 6.3%	N = 3.0%	N = 2.9%
Theory	Found								
C = 60.6%	C = 60.2%								
H = 6.2%	H = 6.3%								
N = 3.0%	N = 2.9%								
Identification (TLC)	complies with authentic material								
Melting point	128 °C								
Purity (HPLC)	99.8% (TFA)								
Related impurities (HPLC)	0.1% Fmoc-β-Ala-OH not det. Fmoc-Abu-OH								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/ethylacetate/acetic acid 50/50/2 chloroform/methanol/toluene/H ₂ O 8/8/8/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (titration)	100.2% (TBAH)								
Acetic acid content (IC)	< 0.0177% (limit test)								