

## Analytical Data Sheet

Lot number **1061886**  
not for drug use

Catalog number **B-3345.0001**  
Product number **4028831.0001**  
Product **Fmoc- Arg(Me)<sub>2</sub>- OH (symmetrical) hydrochloride salt**  
Molecular formula **C<sub>23</sub>H<sub>28</sub>N<sub>4</sub>O<sub>4</sub>**  
Relative molecular mass **424.50**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in water) clear, pale yellow solution (0.5 mmol/mL in DMF)
Identification (TLC)	Rf value in agreement with authentic material
Purity (HPLC)	99.6% (TFA)
Related impurities (HPLC)	not det. Fmoc-β-Ala-OH
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H <sub>2</sub> O 45/13/1/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
Enantiomer content (chiral chromatography)	0.6% D-enantiomer
Assay (elemental analysis)	85.6% (Nth 13.20%, Nfd 11.30%)
Water content (KF volumetric)	2.4%
Chloride content (titration)	6.8%

Latest update: September 28, 2015

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