

## Analytical Data Sheet

Lot number

**1069743**

not for drug use

**Catalog number** B-3760.0250  
**Product number** 4038236.0250  
**Product** Fmoc- Cys((RS) - 2, 3- di(palmitoyloxy) - propyl) - OH  
**Molecular formula** C<sub>53</sub>H<sub>83</sub>NO<sub>8</sub>S  
**Relative molecular mass** 894.31

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in dioxane)
<b>Identification (ESI-MS)</b>	m = 893.8u (monoisotopic mass)
<b>Identification (elemental analysis)</b>	Theory Found C = 71.2% C = 71.4% H = 9.4% H = 9.5% N = 1.6% N = 1.5%
<b>Identification (TLC)</b>	complies with authentic material
<b>Purity (HPLC)</b>	99.2% (TBAH)
<b>Purity (TLC)</b>	> 95%
<b>TLC conditions</b>	toluene/dioxane/acetic acid 95/25/4 chloroform/ethylacetate/acetic acid 50/50/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine, ammoniummolybdate, TDM
<b>Assay (titration)</b>	99.5% (TFA)
<b>Water content (KF coulometric)</b>	0.2%
<b>Acetic acid content (IC)</b>	0.0028%

Latest update: January 30, 2017

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