

## Analytical Data Sheet

Lot number	1000020525 not for drug use
Catalog number	B-4225.0005
Product	Fmoc-Cys(Dpm)-OH
Product number	4081840.0005
Molecular formula (net)	C <sub>31</sub> H <sub>27</sub> NO <sub>4</sub> S
Molecular mass (average)	509.6

Tests	Results
Components	
<b>Appearance</b>	
Appearance	complies [white to off-white powder]
<b>Appearance of solution</b>	
Appearance of solution	complies [clear, colorless solution in dioxane (50 mg/mL)]
Appearance of solution	complies [essentially clear solution in DMF (0.5 mmol/mL)]
<b>Identification (TLC)</b>	
R <sub>f</sub> value	complies [complies]
<b>Identification (ESI-MS)</b>	
Average mass	509.6 u
<b>Purity and related impurities (HPLC)</b>	
Purity	99.9%
Fmoc-β-Ala-OH	0.02%
Fmoc-β-Ala-Cys(Dpm)-OH	0.04%
Fmoc-Cys(Dpm)-Cys(Dpm)-OH	0.03%
Fmoc-Cys-OH	not detected
<b>Purity and related impurities (TLC)</b>	
Purity	> 99%
H-Cys(Dpm)-OH	< 0.05%
<b>Enantiomer content (chiral chromatography)</b>	
D-enantiomer	0.11%

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Tests	Results
Components	
<b>Assay (titration)</b>	
Assay (titration, net)	93.0%
<b>Water content (Karl Fischer)</b>	
Water content	0.20%
<b>Acetic acid content (IC)</b>	
Acetic acid content	31 mg/kg

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This Analytical Data Sheet is based on reviewed analytical data and is valid without handwritten signatures.

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Date created: August 22, 2019