

Analytical Data Sheet

Lot number	1000036962 not for drug use
Catalog number	B-1005.0025
Product	Fmoc-Cys(Acm)-OH
Product number	4006622.0025
Molecular formula (net)	C ₂₁ H ₂₂ N ₂ O ₅ S
Molecular mass (average)	414.48

Tests	Results
Components	
Appearance	
Appearance	complies [white powder]
Appearance of solution	
Appearance of solution	complies [clear, colorless solution in methanol (50 mg/mL)]
Appearance of solution	complies [essentially clear solution in DMF (0.5 mmol/mL)]
Identification (TLC)	
R _f value	complies [complies]
Specific optical rotation	
[α] _D ²⁴ (as is)	-45.5 (°)·mL/(dm·g)
Purity and related impurities (HPLC)	
Purity	99.1%
Fmoc-β-Ala-OH	0.08%
Fmoc-Cys(Acm)-Cys(Acm)-OH	0.01%
Purity and related impurities (TLC)	
Purity	> 99%
H-Cys(Acm)-OH	< 0.05%
CAT Enantiomer content (chiral chromatography)	
D-enantiomer	0.07%
Assay (titration)	
Assay (titration, net)	99.5%

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Tests	Results
Components	
Water content (Karl Fischer volumetric)	
Water content	< 0.20%
Acetic acid content (IC)	
Acetic acid content	29 mg/kg

CAT Analysis performed by C.A.T. GmbH & Co Chromatographie und Analysetechnik KG, Heerweg 10, 72070 Tübingen, Germany

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

Date created: September 8, 2020