

Analytical Data Sheet

Lot number	1000021176 not for drug use
Catalog number	B-3455.0005
Product	Fmoc-Ser(PO(OBzl)OH)-OH
Product number	4029345.0005
Molecular formula (net)	C ₂₅ H ₂₄ NO ₈ P
Molecular mass (average)	497.4

Tests	Results
Components	
Appearance	
Appearance	complies [white to off-white powder]
Appearance of solution	
Appearance of solution	complies [clear, colorless to slightly yellow solution in dioxane (50 mg/mL)]
Appearance of solution	complies [essentially clear solution in DMF (0.5 mmol/mL)]
Identification (ESI-MS)	
Monoisotopic mass	497.1 u
Identification (TLC)	
R _f value	complies [complies]
Purity and related impurities (HPLC)	
Purity	99.0%
Fmoc-Ser(PO(OH) ₂)-OH	0.36%
Fmoc-β-Ala-OH	0.01%
Purity (TLC)	
Purity	> 99%
CAT Enantiomer content (chiral chromatography)	
D-enantiomer	< 0.10%
Assay (titration)	
Assay (titration, net)	85.0%

Bachem AG
Hauptstrasse 144
4416 Bubendorf
Switzerland
Tel.: +41 58 595 2021

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Tests	Results
Components	
Water content (Karl Fischer volumetric)	
Water content	0.15%
Acetic acid content (IC)	
Acetic acid content	35 mg/kg

CAT Analysis performed by C.A.T. GmbH & Co Chromatographie und Analystechnik 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 03, 2019