

**Product Name:** N-Fmoc-L-serine, 97+%, Thermo Scientific Chemicals  
**Catalog Number:** B21079.06

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**CAS Number:** 73724-45-5

### Product Specification

**Appearance (Color):** White  
**Form:** Powder  
**Enantiomeric excess:**  $\geq 99.0\%$  (U.S. Specification)  
**Proton NMR:** Conforms to structure (U.S. Specification)  
**Optical Rotation:**  $-10^\circ$  to  $-11.5^\circ$  (c=1 in DMF) (U.S. Specification)  
**Assay (HPLC):**  $\geq 97.0\%$  (Non-U.S. Specification)  
**Identification (FTIR):** Conforms (U.S. Specification)  
**Assay from Supplier's CofA:**  $\geq 97.0\%$  (HPLC, U.S. Specification)  
**Comment:** Purchased in the U.S. and in other countries  
**Water Content (Karl Fischer Titration):**  $\leq 6.0\%$   
**Optical Rotation:**  $+13 \pm 2^\circ$  (c=1 in ethyl acetate) (Non-U.S. Specification)  
**Comment:** Melting point may be hazy or incomplete (forms polymer)  
**Assay (Aqueous acid-base Titration):**  $\geq 97.0$  to  $\leq 103.0\%$  (Non-U.S. Specification)

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**Date Of Print:** 01/29/2025

*Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.*