

# Chem-Impex International, Inc.

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## Certificate of Analysis

**Catalogue Number** 05695  
**Lot Number** 001529-502970  
**Product** **Fmoc-S-tert-butylthio-D-cysteine**

Fmoc-D-Cys(StBu)-OH

**CAS Number** 501326-55-2  
**Molecular Formula** C<sub>22</sub>H<sub>25</sub>NO<sub>4</sub>S<sub>2</sub>

**Molecular Weight** 431.6

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**Appearance** White powder  
**Solubility** Clearly soluble (C = 50 mg in 1 mL Dioxane)  
**Melting Point** 68-75 °C  
**TLC System** Chloroform/Methanol/Benzene/Water (8:8:8:1)  
Chloroform/Ethyl acetate/Acetic acid (25:25:2)  
Benzene/Dioxane/Acetic Acid (95:25:4)  
**Optical Rotation** [α]<sub>D</sub><sup>25</sup> = +85.0° (C=1% in EtOAc)  
**Purity by HPLC** 98.3%  
**Purity by TLC** > 98%  
**Storage** Store at ≤ -4 °C  
**Remarks** See material safety data sheet for additional information  
For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager