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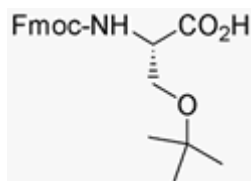
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number 02454

Product **Fmoc-O-tert-butyl-L-serine**

Fmoc-L-Ser(tBu)-OH

CAS Number 71989-33-8

Molecular Formula C₂₂H₂₅NO₅

Molecular Weight 383.4

Appearance White powder

Solubility Clear solution (0.3 g in 2 mL DMF)

Melting Point 125 - 140 °C

Water Content (Karl Fisher) ≤ 1%

Kaiser Test ≤ 0.05%

Optical Rotation [α]_D²⁰ = 25 ± 3 ° (C=1 in EtOAc)

Infrared Spectrum Conforms to structure

Analysis by Mass Spectra Conforms to standard

Loss on Drying ≤ 1% (60 °C, 2h)

¹H NMR Conforms to structure

Chiral HPLC ≥ 99.5% (ee)

D-Enantiomer ≤ 0.5%

Purity by HPLC ≥ 99.5%

Purity by TLC ≥ 98%

Storage Store at 0 - 8 °C

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For Laboratory Use Only