

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications

Catalogue Number	49622
Product	Fmoc-S-trityl-L-cysteine Fmoc-L-Cys(Trt)-OH (<i>R</i>)-2-Fmoc-3-tritylsulfanyl-propionic acid
CAS Number	103213-32-7
Molecular Formula	C ₃₇ H ₃₁ NO ₄ S
Molecular Weight	585.7

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	170 - 180 °C
Elemental Analysis (Theory)	≤ 5% (C, H and N)
Water Content (Karl Fisher)	≤ 1%
Kaiser Test	≤ 0.05%
Optical Rotation	[α] _D ²⁰ = +20 ± 2° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1% (80 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	≥ 99.7% (ee)
D-Enantiomer	≤ 0.30%
Purity by HPLC	≥ 99%
Purity by TLC	≥ 98%
Storage	Store at 0 - 8 °C

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For Laboratory Use Only