

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	31113
<b>Product</b>	<b>Fmoc-S-4-methyltrityl-D-cysteine</b> Fmoc-D-Cys(Mtt)-OH
<b>CAS Number</b>	252206-29-4
<b>Molecular Formula</b>	C <sub>38</sub> H <sub>33</sub> NO <sub>4</sub> S
<b>Molecular Weight</b>	599.75

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<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL DMF)
<b>Water Content (Karl Fisher)</b>	≤ 1.0%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -20 ± 2° (C=2 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	≤ 1.0%
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	≥ 99%
<b>Storage</b>	Store at 0-8 °C

**For Laboratory Use Only**