

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	03700
<b>Product</b>	<b>Fmoc-S-acetamidomethyl-D-cysteine</b> Fmoc-D-Cys(Acm)-OH
<b>CAS Number</b>	168300-88-7
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>22</sub> N <sub>2</sub> O <sub>5</sub> S
<b>Molecular Weight</b>	414.5

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL DMF)
<b>Melting Point</b>	119 - 122 °C
<b>Water Content (Karl Fisher)</b>	≤ 1%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 32 ± 2 ° (C=1 in MeOH)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	≤ 1% (60 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Chiral HPLC</b>	≥ 99.5% (ee)
<b>L-Enantiomer</b>	≤ 0.5%
<b>Purity by HPLC</b>	≥ 98%
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**