

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	11179
<b>Product</b>	<b>Fmoc-S-sulfo-L-cysteine disodium</b>  Fmoc-L-Cys(SO <sub>3</sub> H)-OH•disodium salt
<b>CAS Number</b>	163558-30-3
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>15</sub> NNa <sub>2</sub> O <sub>7</sub> S <sub>2</sub>
<b>Molecular Weight</b>	467.43

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (50 mg/mL in 50% Dioxane)
<b>Water Content (Karl Fisher)</b>	≤ 5%
<b>TLC System</b>	Chloroform/Methanol/Acetic Acid 32% (5:3:1) Acetonitrile/Water (7:3) Chloroform/Methanol/Acetic acid/Water (60:45:14:6) Plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>24</sup> = -41.5 ± 1.5° (C=1 in Water)
<b>Assay</b>	≥ 94% (Elemental analysis based on Carbon content)
<b>D-Enantiomer</b>	≤ 0.2%
<b>Purity by HPLC</b>	≥ 98% (TFA)
<b>Purity by TLC</b>	≥ 99%
<b>Chiral Purity</b>	≥ 99.8% (ee)
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Acetic Acid content: ≤ 0.006%

# *Product Specifications*

Catalog Number: 11179

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**For Laboratory Use Only**