

# *Chem-Impex International, Inc.*

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**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

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## *Product Specifications*

<b>Catalogue Number</b>	03725
<b>Product</b>	<b>Fmoc-L-methionine sulfone</b>  Fmoc-L-Met(O <sub>2</sub> )-OH
<b>CAS Number</b>	163437-14-7
<b>Molecular Formula</b>	C <sub>20</sub> H <sub>21</sub> NO <sub>6</sub> S
<b>Molecular Weight</b>	403.5
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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2mL DMF)
<b>Melting Point</b>	152-172 °C
<b>Water Content (Karl Fisher)</b>	≤ 1.0%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -13.5 ± 2.5° (C=1% in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to structure
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	≥ 98%
<b>Storage</b>	Store at RT

**For Laboratory Use Only**