

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	03724
Product	Fmoc-L-methionine sulfoxide Fmoc-L-Met(O)-OH
CAS Number	76265-70-8
Molecular Formula	C ₂₀ H ₂₁ NO ₅ S
Molecular Weight	387.5

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	165 - 170 °C
Water Content (Karl Fisher)	≤ 1%
Optical Rotation	[α] _D ²⁰ = -4 ± 2 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1% (70 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	≥ 99.5% (ee)
D-Enantiomer	≤ 0.5%
Purity by HPLC	≥ 99%
Purity by TLC	≥ 98%
Storage	Store at 0-8 °C

For Laboratory Use Only