

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

Certificate of Analysis

Catalogue Number	38463
Product	Fmoc-5-fluoro-D-tryptophan
Lot Number	000424-161212-35919
	Fmoc-D-Trp(5-F)-OH
CAS Number	1257852-79-1
Molecular Formula	C ₂₆ H ₂₁ FN ₂ O ₄
Molecular Weight	444.45

Appearance	White to off-white powder
Melting Point	172.5 - 177.9 °C
Optical Rotation	[α] _D ²⁰ = 20.9 ° (C = 1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	1.5% (80 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	99.91% (ee)
L-Enantiomer	0.0907%
Purity by HPLC	99.77%
Storage	Store at 0 - 8 °C
Remarks	See material safety data sheet for additional information
	For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager