

Chem-Impex International, Inc.

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Certificate of Analysis

| | |
|--------------------------|---|
| Catalogue Number | 03753 |
| Product | <i>N</i>^α-Fmoc-L-tryptophan <i>N</i>-hydroxysuccinimide ester |
| Lot Number | 000424-161111-35911 Fmoc-L-Trp-OSu |
| CAS Number | 84771-20-0 |
| Molecular Formula | C ₃₀ H ₂₅ N ₃ O ₆ |
| Molecular Weight | 523.5 |

| | |
|------------------------------------|--|
| Appearance | White powder |
| Solubility | Clear solution (0.3g in 4 mL DMF) |
| Melting Point | 157.9-160.1 °C |
| Water Content (Karl Fisher) | 0.156% |
| Optical Rotation | [α] _D ²⁰ = -55.6° (C=1 in DMF) |
| Infrared Spectrum | Conforms to structure |
| Analysis by Mass Spectra | Conforms to standard |
| Loss on Drying | 0.67% (80 °C, 2h) |
| ¹H NMR | Conforms to structure |
| Purity by HPLC | 98.60% |
| 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