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Certificate of Analysis

Catalogue Number	02424
Lot Number	000424-220525-21303
Product	Fmoc-<i>O</i>-tert-butyl-L-trans-4-hydroxyproline Fmoc-L-Hyp(tBu)-OH
CAS Number	122996-47-8
Molecular Formula	C ₂₄ H ₂₇ NO ₅
Molecular Weight	409.48

Appearance	White to yellow-brown powder, Hygroscopic!
Solubility	Clear solution (0.3 g in 2 mL Methanol)
Melting Point	60.7 - 61.8 °C
Elemental Analysis (Found)	< 5% (C, H, N)
Water Content (Karl Fisher)	1.87%
Optical Rotation	[α] _D ²⁰ = -25.2 ° (C=1 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
¹H NMR	Conforms to structure
Chiral HPLC	100% (ee)
D-Enantiomer	Not detected
Purity by HPLC	99.3%
Purity by TLC	> 98%
Storage	Store at ≤ 4 °C

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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