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Certificate of Analysis

Catalogue Number	03156
Product	L-Tyrosine benzyl ester 4-toluenesulfonate salt
Lot Number	000424-160509-16035 L-Tyr-OBzl•TosOH
CAS Number	53587-11-4
Molecular Formula	C ₁₆ H ₁₇ NO ₃ •C ₇ H ₈ O ₃ S
Molecular Weight	443.5

Appearance	White powder
Solubility	Clear solution (0.3g in 3 mL MeOH)
Melting Point	179.4-181.7 °C
Water Content (Karl Fisher)	0.68%
Optical Rotation	[α] _D ²⁰ = -14.9° (C=2 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.64% (90 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	99.90%
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