

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	02146
Lot Number	121124-12401
Product	<i>N</i>^α-Z-L-asparagine 4-nitrophenyl ester Z-L-Asn-ONp
CAS Number	3256-57-3
Molecular Formula	C ₁₈ H ₁₇ N ₃ O ₇
Molecular Weight	387.3

Appearance	White to off-white powder
Solubility	Clear solution (0.3 g in 2mL DMF)
Melting Point	141.7-144.4 °C
Optical Rotation	[α] _D ²⁰ = -30 ± 2° (C=2 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.37% (60 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	98.01%
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