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Product Specifications

Catalogue Number	04431
Product	<i>N</i>^δ-Trityl-L-glutamine
	L-Gln(Trt)-OH
CAS Number	102747-84-2
Molecular Formula	C ₂₄ H ₂₄ N ₂ O ₃
Molecular Weight	388.5

Appearance	White to off-white powder
Solubility	Clear solution (0.3 g in 4 mL AcOH)
Melting Point	214 - 216 °C
Water Content (Karl Fisher)	≤ 6.0%
Optical Rotation	[α] ²⁰ _D = -8 ± 2 ° (C=2 in AcOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 2.0% (90 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	≥ 98%
Storage	Store at 0 - 8 °C

For Laboratory Use Only