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Certificate of Analysis

Catalogue Number 04-696
Lot Number 000424-130823-30601
Product **Boc-L-glutamine**

Boc-L-Gln-OH

CAS Number 13726-85-7
Molecular Formula $C_{10}H_{18}N_2O_5$
Molecular Weight 246.3

Appearance White powder
Solubility Clear solution (0.3g in 2 mL DMF)
Melting Point 118-119.8 °C
Water Content (Karl Fisher) 0.822%
Optical Rotation $[\alpha]_D^{20} = -3.3^\circ$ (C=2, EtOH)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard
Loss on Drying 0.53% (50 °C, 2 hour)
 1H NMR Conforms to structure
Purity by HPLC 98.58%
Purity by TLC $\geq 98\%$
Storage Store at 0-8°C