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Product Specifications

Catalogue Number	05596
Product	Boc-L-pyrroglutamic acid Boc-L-Pyr-OH Boc-(S)-2-pyrrolidinone-5-carboxylic acid
CAS Number	53100-44-0
Molecular Formula	C ₁₀ H ₁₅ NO ₅
Molecular Weight	229.24

Appearance	White to off-white powder
Solubility	Clear solution (0.3 g in 5 mL MeOH)
Melting Point	117 - 119 °C
Water Content (Karl Fisher)	≤ 1%
Optical Rotation	[α] _D ²⁰ = -35 ± 2 ° (C=1 in CHCl ₃)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1% (45 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	≥ 97%
Storage	Store at 0 - 8 °C

For Laboratory Use Only