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Product Specifications

Catalogue Number	04101
Product	Boc-3-chloro-D-phenylalanine
	Boc-D-Phe(3-Cl)-OH
	Boc- <i>m</i> -chloro-D-Phe-OH
CAS Number	80102-25-6
Molecular Formula	C ₁₄ H ₁₈ ClNO ₄
Molecular Weight	299.8

Appearance	White to off-white powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	104-109 °C
Water Content (Karl Fisher)	≤ 0.5%
Optical Rotation	$[\alpha]_D^{20} = +22 \pm 2^\circ$ (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 0.5% (45 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	≥ 99%
Storage	Store at 0-8 °C

For Laboratory Use Only