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Product Specifications

Catalogue Number	03119
Product	D-Phenylalanine <i>tert</i>-butyl ester hydrochloride D-Phe-OtBu•HCl
CAS Number	3403-25-6
Molecular Formula	C ₁₃ H ₁₉ NO ₂ •HCl
Molecular Weight	257.8
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Appearance	White powder
Solubility	Clear solution (0.1 g in 2 mL MeOH)
Melting Point	220-225 °C
Water Content (Karl Fisher)	≤ 1.0%
Optical Rotation	[α] _D ²⁰ = -47.3 ± 2° (C=1 in EtOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1.0% (90 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	≥ 99%
Storage	Store at 0-8 °C

For Laboratory Use Only