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Product Specifications

Catalogue Number	03129
Product	D-Proline benzyl ester hydrochloride D-Pro-OBzl•HCl (<i>R</i>)-Pyrrolidine-2-carboxylic acid benzyl ester hydrochloride
CAS Number	53843-90-6
Molecular Formula	C ₁₂ H ₁₅ NO ₂ •HCl
Molecular Weight	241.7
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Appearance	White to off-white powder
Solubility	Clear, solution (0.3 g in 2 mL DMF)
Melting Point	140-150 °C
Water Content (Karl Fisher)	≤ 1%
Optical Rotation	[α] ²⁰ _D = +44 ± 2° (C=1 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1.0% (60 °C, 2 hour)
¹H NMR	Conforms to structure
Purity by HPLC	≥ 98%
Storage	Store at 0-8 °C

For Laboratory Use Only