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Product Specifications

Catalogue Number	03114
Product	D-Phenylalanine amide hydrochloride
	D-Phe-NH ₂ •HCl
CAS Number	71666-94-9
Molecular Formula	C ₉ H ₁₂ N ₂ O•HCl
Molecular Weight	200.7

Appearance	White to off-white powder
Solubility	Clear solution (0.3g in 2 mL MeOH)
Melting Point	232-236 °C
Water Content (Karl Fisher)	≤ 1.0%
Optical Rotation	[α] _D ²⁰ = -16 ± 2° (C=1% in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1.0% (80 °C, 2 h)
¹H NMR	Conforms to structure
Purity by HPLC	≥ 98%
Storage	Store at 0-8 °C

For Laboratory Use Only