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Product Specifications

Catalogue Number	02246
Product	Z-L-pyroglutamic acid 4-nitrophenyl ester Z-L-Pyr-ONp
CAS Number	40356-52-3
Molecular Formula	C ₁₉ H ₁₆ N ₂ O ₇
Molecular Weight	384.34

Appearance	Pale yellowish powder
Solubility	Clear yellowish solution (50 mg/mL in acetone)
Melting Point	142 - 144 °C
Elemental Analysis (Theory)	C = 59.38 ± 0.5%, H = 4.20 ± 0.5%, N = 7.29 ± 0.5%
TLC System	Chloroform/Ethyl acetate/Acetic acid (50/50/2) Chloroform/Ethyl acetate (1/1) Benzene/Dioxane/Acetic acid (95/25/4) Plate : Silicagel 60 F ₂₅₄ Detected by : UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] ²⁴ _D = -50 ± 1 ° (C=1 in tetrahydrofuran)
Purity by TLC	≥ 98%
Storage	Store at 0 - 8 °C

For Laboratory Use Only