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Product Specifications

Catalogue Number	03265
Product	<i>N</i>^α-Acetyl-L-tryptophan 4-nitrophenyl ester Ac-L-Trp-ONp
CAS Number	14009-92-8
Molecular Formula	C ₁₉ H ₁₇ N ₃ O ₅
Molecular Weight	367.4
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Appearance	Yellowish-greenish powder
Solubility	Clear, yellowish solution (50mg/mL in Methanol)
Elemental Analysis (Theory)	C = 62.12%; H = 4.66%; N = 11.44%
Elemental Analysis (Found)	C = 61.94 ± 0.5%; H = 4.53 ± 0.5%; N = 11.38 ± 0.5%
TLC System	Chloroform/Methanol (9:1) Chloroform/Methanol/Acetic acid (77.5:15:7.5) Chloroform/Methanol/Acetic Acid (98-100%)/H ₂ O (45:13:1:2) Plate: Silica gel 60 F ₂₅₄ Methanol 80% Plate: RP-8 Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = -16.5 ± 2° (C=1 in Dioxane)
Purity by TLC	≥ 98%
Storage	Store at 0-8 °C

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For Laboratory Use Only