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Product Specifications

Catalogue Number	10986
Product	Cinnamoyl-(<i>trans</i>)-L-phenylalanine Cinnamoyl-(<i>trans</i>)-L-Phe-OH
CAS Number	4950-65-6
Molecular Formula	C ₁₈ H ₁₇ NO ₃
Molecular Weight	295.34
Melting Point	158-164 °C
Elemental Analysis (Theory)	C = 73.20%; H = 5.80%; N = 4.74%
Elemental Analysis (Found)	C = 73.20 ± 0.5%; H = 5.80 ± 0.5%; N = 4.74 ± 0.5%
TLC System	Chloroform/Methanol/Acetic Acid/H ₂ O (90:10:0.5:1) Ethyl acetate/Pyridine/Acetic acid/H ₂ O (60:20:6:11) Chloroform/Methanol/Acetic acid (77.5:15:7.5) Plate: Silica gel 60 F ₂₅₄ Detected by: UV, Chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = -25.5 ± 2° (C=1 in MeOH)
Purity by TLC	≥ 98%
Storage	Store at 0-8°C

For Laboratory Use Only