



INDOFINE Chemical Company, Inc.

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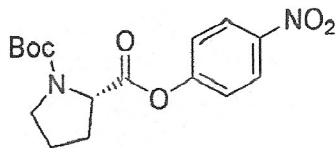
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Certificate of Analysis

Catalogue Number	04-863
Lot Number	000127-1068222
Product	Boc-L-proline 4-nitrophenyl ester Boc-L-Pro-ONp (S)-Boc-pyrrolidine-2-carboxylic acid 4-nitrophenyl ester
CAS Number	28310-65-8
Molecular Formula	C ₁₆ H ₂₀ N ₂ O ₆
Molecular Weight	336.3

Appearance	Pale beige powder
Solubility	Clear, slightly yellowish solution (50mg/mL in Acetone)
Melting Point	65 °C
Elemental Analysis (Found)	C = 57.0%; H = 6.1%; N = 8.3%
TLC System	Benzene/Dioxane/Acetic Acid (95:25:4) Methanol 80% Chloroform/Methanol/Benzene/Water (8:8:8:1) Chloroform/Methanol/Acetic acid (90:8:2) Plate: Silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, Chlorine-Tolidine
Optical Rotation	[α] _D ²⁴ = -53.0° (C=1 in DMF)
Purity by HPLC	> 99%
Storage	Store at 0-8 °C



Prepared by:
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