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Certificate of Analysis

| | |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalogue Number | 03810 |
| 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 |

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager