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Product Specifications

| | |
|--------------------------|--|
| Catalogue Number | 04021 |
| Product | Boc-L-threonine N-hydroxysuccinimide ester Boc-L-Thr-OSu |
| CAS Number | 63076-44-8 |
| Molecular Formula | C ₁₃ H ₂₀ N ₂ O ₇ |
| Molecular Weight | 316.31 |

| | |
|------------------------------------|---|
| Appearance | White powder |
| Solubility | Clear colorless solution (50 mg/mL in Dioxane) |
| Melting Point | 133-137 °C |
| Elemental Analysis (Theory) | C = 49.4%; H = 6.4%; N = 8.9% |
| Elemental Analysis (Found) | C = 49.4 ± 0.5%; H = 6.5 ± 0.5%; N = 8.7 ± 0.5% |
| TLC System | Chloroform/Methanol/Toluene/H ₂ O (8:8:8:1) Chloroform/Methanol/Acetic Acid (90:8:2) Plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine 50% MeOH plate: RP-8 detected by: UV, ninhydrin, chlorine-tolidine |
| Optical Rotation | [α] _D ²⁴ = -32 ± 2° (C=1 in EtOH) |
| Assay | ≥ 99% (Elemental analysis based on Nitrogen content) |
| Purity by TLC | Decomposes on TLC plate |
| Storage | Store at 0-8 °C |

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For Laboratory Use Only