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Product Specifications

Catalogue Number	04057
Product	Boc-L-aspartic acid β-cyclopentyl ester Boc-L-Asp(OcPent)-OH
CAS Number	71447-58-0
Molecular Formula	C ₁₄ H ₂₃ NO ₆
Molecular Weight	301.3

Appearance	White powder
Solubility	Clear, colorless solution (50 mg/ml in methanol)
Melting Point	88-92 °C
Elemental Analysis (Theory)	C = 55.6%; H = 7.7%; N = 4.6%
Elemental Analysis (Found)	C = 55.4 ± 0.5%; H = 7.8 ± 0.5%; N = 4.7 ± 0.5%; Calculated as 0.06 H ₂ O (0.4%)
Water Content (Karl Fisher)	≤ 0.5%
TLC System	Chloroform/Methanol/Benzene/H ₂ O (8:8:8:1) Chloroform/Methanol/Acetic acid (90:8:2) Benzene/Dioxane/Acetic acid (95:25:4) Plate: Silica gel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = +26.6 ± 2° (C=1% in Methanol/Diisopropylethylamine (1:1.2))
Assay by titration	≥ 99%
Purity by TLC	≥ 99%
Storage	Store at 0-8 °C

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For Laboratory Use Only