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Product Specifications

Catalogue Number	05325
Product	Boc-L-valine 4-nitrophenyl ester Boc-L-Val-ONp
CAS Number	16948-40-6
Molecular Formula	C ₁₆ H ₂₂ N ₂ O ₆
Molecular Weight	338.4

Appearance	Off-white powder
Solubility	Clear and colorless solution (50 mg/mL in dioxane)
Melting Point	63-69 °C
TLC System	Chloroform/Hexane (2:8) Chloroform/Ethylacetate (9:1) Chloroform/Methanol/Acetic Acid (90:8:2) Plate: Silica gel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] ₅₇₈ ²⁴ = -38 ± 2° (C=1 in Dioxane)
Purity by TLC	≥ 98%
Storage	Store at 0-8 °C

For Laboratory Use Only