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Product Specifications

Catalogue Number 16604

Product **Boc-4-oxo-L-proline *tert*-butyl ester**

(S)-4-Oxopyrrolidine-1,2-dicarboxylic acid di-*tert*-butyl ester

CAS Number 166410-05-5

Molecular Formula C₁₄H₂₃NO₅

Molecular Weight 285.34

Appearance White solid

Solubility Clear colorless solution (1g/10 mL Ethyl acetate); Clear solution (1g/10 mL CH₂Cl₂)

Melting Point 64 - 69 °C

TLC System Chloroform/Methanol/Acetic acid (93:5:2) Single spot, Visualized in Ninhydrine

Optical Rotation [α]_D²⁴ = +9 ± 2° (C=1.24 in CHCl₃)

¹³C NMR Conforms to structure

¹H NMR Conforms to structure

Purity ≥ 97%

Storage Store at 0-8 °C

For Laboratory Use Only