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Product Specifications

Catalogue Number 07391
Product **Boc-*p*-trifluoromethyl-D-phenylalanine**

Boc-D-Phe(4-CF₃)-OH

Boc-D-Phe(4-trifluoromethyl)-OH

CAS Number 82317-83-7

Molecular Formula C₁₅H₁₈F₃NO₄

Molecular Weight 333.31

Appearance White to off-white powder

Solubility Clear solution (0.3 g in 2 mL DMF)

Melting Point 131 - 133 °C

Water Content (Karl Fisher) ≤ 1%

Optical Rotation [α]²⁰_D = 22 ± 1 ° (C=1 in DMF)

Infrared Spectrum Conforms to structure

Analysis by Mass Spectra Conforms to standard

Loss on Drying ≤ 1% (60 °C, 2h)

¹H NMR Conforms to structure

Chiral HPLC ≥ 99.5% (ee)

L-Enantiomer ≤ 0.5%

Purity by HPLC ≥ 99.5%

Storage Store at 0 - 8°C

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For Laboratory Use Only