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Product Specifications

Catalogue Number 02372
Product **Fmoc-D-alanine**

Fmoc-D-Ala-OH

CAS Number 79990-15-1

Molecular Formula C₁₈H₁₇NO₄

Molecular Weight 311.3

Appearance White powder

Solubility Clear solution (0.3 g in 2 mL DMF)

Melting Point 147-157 °C

Water Content (Karl Fisher) ≤ 6%

Optical Rotation [α]_D²⁰ = +18 ± 2° (C=1 in DMF)

Infrared Spectrum Conforms to structure

Analysis by Mass Spectra Conforms to standard

Loss on Drying ≤ 2% (60 °C, 2 hr)

¹H NMR Conforms to structure

L-Enantiomer ≤ 0.5%

Purity by HPLC ≥ 99%

Purity by TLC ≥ 98%

Chiral Purity ≥ 99.5% (ee)

Storage Store at 0-8 °C

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For Laboratory Use Only