Product Specifications

Catalogue Number 02396
Product Fmoc-S-acetamidomethyl-L-cysteine

Fmoc-L-Cys(Acm)-OH

CAS Number 86060-81-3
Molecular Formula C_{21}H_{22}N_{2}O_{5}S
Molecular Weight 414.5

Appearance White powder
Solubility Clear solution (0.3 g in 2 mL DMF)
Melting Point 143-162 ºC
Water Content (Karl Fisher) ≤ 1%
Optical Rotation [α]_{D}^{20} = -32 ± 2º (C=1, MeOH)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard
Loss on Drying ≤ 1% (60 ºC, 2 hour)

{\textsuperscript{1}H NMR Conforms to structure
D-Enantiomer ≤ 0.3%
Purity by HPLC ≥ 98%
Purity by TLC ≥ 98%
Chiral Purity ≥ 99.7% (ee)
Storage Store at 0-8 ºC

For Laboratory Use Only