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Product Specifications

Catalogue Number	49711
Product	Fmoc-2,3-dimethyl-D-phenylalanine Fmoc-D-Phe(2,3-DiMe)-OH (2R)-Fmoc-amino-3-(2,3-dimethylphenyl)propionic acid
CAS Number	1270290-64-6
Molecular Formula	C ₂₆ H ₂₅ NO ₄
Molecular Weight	415.48

Appearance	White to off-white powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	172 - 182 °C
Water Content (Karl Fisher)	≤ 2.0%
Optical Rotation	[α] _D ²⁰ = +54 ± 2 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 2.0% (80 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	≥ 98.5% (ee)
L-Enantiomer	≤ 1.5%
Purity by HPLC	≥ 98%
Storage	Store at 0 - 8 °C

For Laboratory Use Only