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Product Specifications

Catalogue Number	00855
Product	<i>N</i>^α-Boc-<i>N</i>^ω-4-toluenesulfonyl-D-arginine Boc-D-Arg(Tos)-OH
CAS Number	61315-61-5
Molecular Formula	C ₁₈ H ₂₈ N ₄ O ₆ S
Molecular Weight	428.5

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	107 - 109 °C
Water Content (Karl Fisher)	≤ 1.0%
Optical Rotation	[α] _D ²⁰ = 3.5 ± 1.5 ° (C=4 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 2% (40 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	≥ 99.5% (ee)
L-Enantiomer	≤ 0.5%
Purity by HPLC	≥ 98%
Storage	Store at 0 - 8 °C

For Laboratory Use Only