

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications

Catalogue Number	05685
Product	Fmoc-D-<i>allo</i>-isoleucine Fmoc-D- <i>allo</i> -Ile-OH Fmoc-(2 <i>R</i> ,3 <i>S</i>)-2-amino-3-methylpentanoic acid
CAS Number	118904-37-3
Molecular Formula	C ₂₁ H ₂₃ NO ₄
Molecular Weight	353.4
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Appearance	White to off-white powder
Melting Point	145-155 °C
Water Content (Karl Fisher)	≤ 0.5%
Optical Rotation	[α] _D ²⁰ = +12 ± 2° (C=1 in DMF)
Infrared Spectrum	Conforms to reference
Loss on Drying	≤ 0.1%
Related Substances	D- <i>allo</i> -Ile-OH: ≤ 0.1% Fmoc-L-Leu-OH: ≤ 0.3% Largest single impurity: ≤ 0.5%
Purity by HPLC	≥ 98.5%
Chiral Purity	Not more than 0.50% total of: Fmoc-D-Ile-OH, Fmoc-L-Ile-OH, and Fmoc-L- <i>allo</i> -Ile-OH
Storage	Store at 0-8 °C

For Laboratory Use Only