

Specification

Technical Data Sheet

CAS**154445-77-9****STORAGE****-15 to -20 °C****MOLECULAR WEIGHT****648.78****PRODUCT****Fmoc-L-Arg(Pbf)****Product number** 90031747**CAS number** 154445-77-9**Molecular formula** C₃₄H₄₀N₄O₇S**Molecular weight** 648.78 g/mol**PARAMETER****SPECIFICATION****Appearance**

White powder

Loss on Drying

≤2.0%(50 °C,2h)

Purity (HPLC)

≥99%

Clarity in Solution

0.3 gram in 2ml DMF clear solution

Element Analysis(C, H, N)

≤5.0%

IR spectrum

In accordance with the structure

NMR Spectrum

In accordance with the structure

Optical Purity

≤0.3% D-enantiomer

Specific Rotation[α]_D²⁵

-4.5 °±1.5 °(C=4 in DMF)

TLC

≥98%

Kaiser Test

<0.05%

Mass Spectrum

In accordance with the structure

Water (KF)

≤2.0%

**SPECIFICATION
STATEMENT**

The values stated above represent the standard specification for this product, issued under **Molekula Ltd**'s quality management system. Batch-specific results are provided on the Certificate of Analysis.

STORAGE

Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.

Reg No 6879903 VAT GB 744 9721 05