

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

Certificate of Analysis

Catalogue Number	16937
Lot Number	001773-1402
Product	<i>N</i>^α-Fmoc-<i>N</i>^δ-(N-biotinyl-3-(2-(2-(3-aminopropoxy)-ethoxy)-ethoxypropyl)-L-glutamine Fmoc-L-Gln(biotinyl-PEG)-OH Fmoc-L-Glu(biotinyl-PEG)-OH
CAS Number	817169-73-6
Molecular Formula	C ₄₀ H ₅₅ N ₅ O ₁₀ S
Molecular Weight	798

Appearance	Pale yellow powder
Solubility	Clearly soluble (C=5 in Methanol)
TLC System	Chloroform/Methanol/Acetic acid 32% (5:3:1)
Optical Rotation	[α] _D ²⁵ = +23.3° (C=1 in MeOH)
Infrared Spectrum	Conforms
D-Enantiomer	0.2%
Purity by HPLC	97.8%
Purity by TLC	> 98%
Storage	Store at 0-8°C
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager