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**Certificate of Analysis**

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Product Name: Mal-PEG4-Glu(TFP ester)-NH-m-PEG24  
Cat. No.: GC67284  
Batch No.: 1  
Chemical Name:

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.: 2408741-87-5  
Molecular Formula:  $C_{78}H_{134}F_4N_4O_{35}$   
Molecular Weight: 1763.9  
Storage: Store at -20°C  
Chemical Structure:

**ANALYTICAL DATA**

Appearance: solid  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
Purity: >98%  
Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA