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**Certificate of Analysis**

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Product Name: DPDPE  
Cat. No.: GC10333  
Batch No.: 1  
Chemical Name: (4S,7R,13R)-13-((R)-2-amino-3-(4-hydroxyphenyl)propanamido)-7-benzyl-3,3,14,14-tetramethyl-6,9,12-trioxo-1,2-dithia-5,8,11-triazacyclotetradecane-4-carboxylic acid

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.: 88373-73-3  
Molecular Formula:  $C_{30}H_{39}N_5O_7S_2$   
Molecular Weight: 645.79  
Storage: Desiccate 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.**

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