# 

## Certificate of Analysis

### DSPE-Mal

Cat. No.:	HY-W441007
CAS No.:	1360858-99-6
Batch No.:	249054
Chemical Name:	Octadecanoic acid, 1,1'-[(1R)-1-[10-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)-3-hydroxy-3-oxido-8-
	oxo-2,4-dioxa-7-aza-3-phosphadec-1-yl]-1,2-ethanediyl] ester

#### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C <sub>48</sub> H <sub>87</sub> N <sub>2</sub> O <sub>11</sub> P		
Molecular Weight:	899.18		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month

#### **Chemical Structure:**

#### ANALYTICAL DATA

Appearance:	White to off-white (Solid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
Purity (NMR):	≥95.0%
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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