

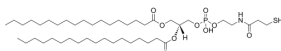
## DSPE-Thiol

Cat. No.: HY-W441004  
CAS No.: 144735-82-0  
Batch No.: 311021  
Chemical Name: Octadecanoic acid, 1-(3-hydroxy-10-mercapto-3-oxido-8-oxo-2,4-dioxo-7-aza-3-phosphadec-1-yl)-1,2-ethanediyl ester, (R)-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>44</sub>H<sub>86</sub>NO<sub>9</sub>PS  
Molecular Weight: 836.19  
Storage: -20°C, protect from light, stored under nitrogen  
\* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)

### Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
Purity (NMR): ≥90.0%  
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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