

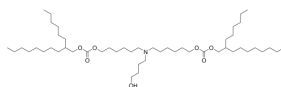
## Ionizable lipid-2

Cat. No.: HY-160439  
CAS No.: 2763904-72-7  
Batch No.: 358599  
Chemical Name: 2,16,18-Trioxa-9-azaoctacosanoic acid, 20-hexyl-9-(4-hydroxybutyl)-17-oxo-, 2-hexyldecyl ester

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>50</sub>H<sub>99</sub>NO<sub>7</sub>  
Molecular Weight: 826.32  
Storage: Pure form -20°C 3 years  
In solvent -80°C 6 months  
-20°C 1 month

### Chemical Structure:



### ANALYTICAL DATA

Appearance: Colorless to light yellow (Viscous Liquid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
MS: Consistent with structure  
Purity (HPLC): 99.77%  
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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