

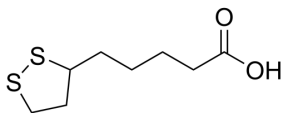
## $\alpha$ -Lipoic Acid

Cat. No.: HY-N0492  
CAS No.: 1077-28-7  
Batch No.: 31802  
Chemical Name: 1,2-Dithiolane-3-pentanoic acid

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_8H_{14}O_2S_2$   
Molecular Weight: 206.33  
Storage: Powder -20°C 3 years  
4°C 2 years  
In solvent -80°C 2 years  
-20°C 1 year

Chemical Structure:



### ANALYTICAL DATA

Appearance: Light yellow to yellow (Solid)  
 $^1H$  NMR Spectrum: Consistent with structure  
LCMS: Consistent with structure  
Purity (LCMS): 99.86%  
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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