

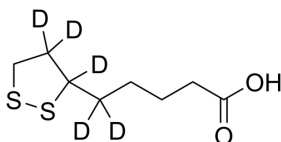
## $\alpha$ -Lipoic Acid-d<sub>5</sub>

Cat. No.: HY-N0492S  
 CAS No.: 1189471-66-6  
 Batch No.: 251473  
 Chemical Name: 5,5-Dideuterio-5-(3,4,4-trideuteriodithiolan-3-yl)pentanoic acid

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>8</sub>H<sub>9</sub>D<sub>5</sub>O<sub>2</sub>S<sub>2</sub>  
 Molecular Weight: 211.36  
 Storage: Powder -20°C 3 years  
 In solvent -80°C 6 months  
 -20°C 1 month

Chemical Structure:



### ANALYTICAL DATA

Appearance: Off-white to light yellow (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
 MS: Consistent with structure  
 Purity: ≥96.0%  
 Isotopic Enrichment: >98.0%  
 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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