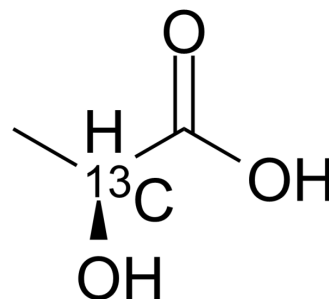


## L-Lactic acid-2-13C1

<b>Cat. No.:</b>	HY-Y0479S3
<b>CAS No.:</b>	740788-63-0
<b>Molecular Formula:</b>	C <sub>2</sub> <sup>13</sup> CH <sub>6</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	91.07
<b>Target:</b>	Bacterial; Endogenous Metabolite; Antibiotic
<b>Pathway:</b>	Anti-infection; Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	L-Lactic acid-2-13C1 is the 13C-labeled L-Lactic acid. L-Lactic acid is a building block which can be used as a precursor for the production of the bioplastic polymer poly-lactic acid.
<b>In Vitro</b>	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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