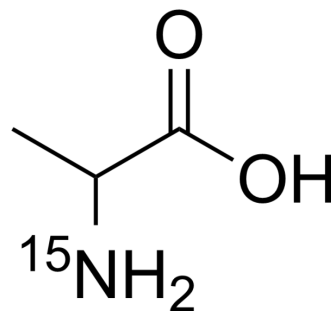


## DL-Alanine-<sup>15</sup>N

<b>Cat. No.:</b>	HY-N2362S5
<b>CAS No.:</b>	71261-64-8
<b>Molecular Formula:</b>	C <sub>3</sub> H <sub>7</sub> <sup>15</sup> N <sub>2</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	90.09
<b>Target:</b>	Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	DL-Alanine- <sup>15</sup> N is the <sup>15</sup> N labeled DL-Alanine[1]. DL-alanine, an amino acid, is the racemic compound of L- and D-alanine. DL-alanine is employed both as a reducing and a capping agent, used with silver nitrate aqueous solutions for the production of nanoparticles. DL-alanine can be used for the research of transition metals chelation, such as Cu(II), Zn(II), Cd(II). DL-alanine, a sweetener, is classed together with glycine, and sodium saccharin. DL-alanine plays a key role in the glucose-alanine cycle between tissues and liver[2][3][4][5][6][7].
<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

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- [7]. Yamamoto T, et al. Gustatory reaction time to various sweeteners in human adults. *Physiol Behav*. 1985 Sep;35(3):411-5.

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

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