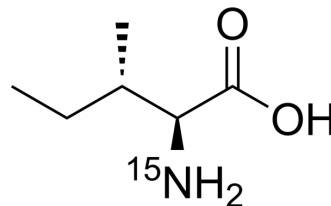


## L-Isoleucine-<sup>15</sup>N

<b>Cat. No.:</b>	HY-N0771S2
<b>CAS No.:</b>	59935-30-7
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>13</sub> <sup>15</sup> NO <sub>2</sub>
<b>Molecular Weight:</b>	132.17
<b>Target:</b>	Isotope-Labeled Compounds; Endogenous Metabolite
<b>Pathway:</b>	Others; Metabolic Enzyme/Protease
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### BIOLOGICAL ACTIVITY

<b>Description</b>	L-Isoleucine-15N is the 15N-labeled L-Isoleucine. L-isoleucine is a nonpolar hydrophobic amino acid. L-Isoleucine is an essential amino acid <sup>[1]</sup> .
<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]. Kahana ZE, et al. Microbial synthesis of L-[15N]leucine L-[15N]isoleucine, and L-[3-13C]-and L-[3'-13C]isoleucines studied by nuclear magnetic resonance and gas chromatography-mass spectrometry[J]. Anal Biochem. 1988 Nov 1;174(2):374-80.

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

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