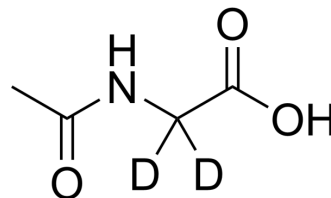


## N-Acetylglycine-d<sub>2</sub>

<b>Cat. No.:</b>	HY-Y0069S1
<b>CAS No.:</b>	4905-36-6
<b>Molecular Formula:</b>	C <sub>4</sub> H <sub>5</sub> D <sub>2</sub> NO <sub>3</sub>
<b>Molecular Weight:</b>	119.12
<b>Target:</b>	Isotope-Labeled Compounds; Endogenous Metabolite
<b>Pathway:</b>	Others; Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	N-Acetylglycine-d <sub>2</sub> (Aceturic acid-d <sub>2</sub> ; Acetamidoacetic acid-d <sub>2</sub> ) is the deuterated labeled N-Acetylglycine (HY-Y0069). N-Acetylglycine (Aceturic acid) is a minor constituent of numerous foods with no genotoxicity or acute toxicity. N-acetylglycine is used in biological research of peptidomimetics <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Endogenous Metabolite
<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]. Harper MS, et al. Toxicology studies with N-acetylglycine. Food Chem Toxicol. 2010 May;48(5):1321-7.

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

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