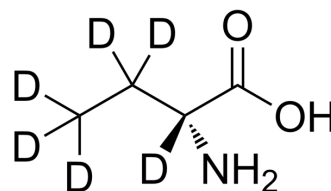


## D(-)-2-Aminobutyric acid-d<sub>6</sub>

<b>Cat. No.:</b>	HY-Y0127S
<b>CAS No.:</b>	1276197-57-9
<b>Molecular Formula:</b>	C <sub>4</sub> H <sub>3</sub> D <sub>6</sub> NO <sub>2</sub>
<b>Molecular Weight:</b>	109.16
<b>Target:</b>	Endogenous Metabolite; Isotope-Labeled Compounds
<b>Pathway:</b>	Metabolic Enzyme/Protease; Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	D(-)-2-Aminobutyric acid-d <sub>6</sub> is the deuterium labeled D(-)-2-Aminobutyric acid. D(-)-2-Aminobutyric acid is a substrate of D-amino acid oxidase.
<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.
- [2]. Yagi K, et al. Spectroscopic demonstration of an initial stage of the complex of D-amino acid oxidase and its substrate D-alpha-aminobutyric acid. *Biochem Biophys Res Commun.* 1980 Nov 28;97(2):370-4.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA