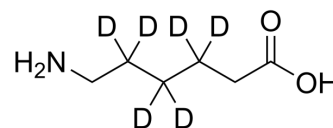


## 6-Aminocaproic acid-d<sub>6</sub>

<b>Cat. No.:</b>	HY-B0236S		
<b>CAS No.:</b>	1228656-08-3		
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>7</sub> D <sub>6</sub> NO <sub>2</sub>		
<b>Molecular Weight:</b>	137.21		
<b>Target:</b>	Isotope-Labeled Compounds		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

#### Description

6-Aminocaproic acid-d<sub>6</sub> is deuterium labeled 6-Aminocaproic acid. 6-Aminocaproic acid (EACA), a monoamino carboxylic acid, is a potent and orally active inhibitor of plasmin and plasminogen. 6-Aminocaproic acid is a potent antifibrinolytic agent. 6-Aminocaproic acid prevents clot lysis through the competitive binding of lysine residues on plasminogen, inhibiting plasmin formation and reducing fibrinolysis. 6-Aminocaproic acid can be used for the research of bleeding disorders[1][2].

#### In Vitro

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]. Brown JC, et, al. Effect of aminocaproic acid on clot strength and clot lysis of canine blood determined by use of an in vitro model of hyperfibrinolysis. *Am J Vet Res.* 2016 Nov;77(11):1258-1265.
- [3]. Griffin JD, et, al. Epsilon-aminocaproic acid (EACA). *Semin Thromb Hemost.* Summer 1978;5(1):27-40.
- [4]. Kaye S, et, al. EFFECT OF ε-AMINOCAPROIC ACID ON FIBRINOLYSIS IN PLASMA OF ASIAN ELEPHANTS (ELEPHAS MAXIMUS). *J Zoo Wildl Med.* 2016 Jun;47(2):397-404.

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

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