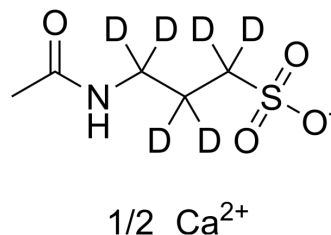


Acamprosate-d6 calcium

Cat. No.:	HY-110233S
CAS No.:	1225580-91-5
Molecular Formula:	C ₅ H ₅ D ₆ NO ₄ S _{1/2} Ca
Molecular Weight:	206.28
Target:	GABA Receptor
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Acamprosate-d ₆ (calcium) is the deuterium labeled Acamprosate calcium. Acamprosate calcium (Campral EC) is a GABA receptor agonist and modulator of glutamatergic systems[1].
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 ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Preuss UW. Commentary on the study: impact of depressive symptoms on future alcohol use in patients with co-occurring bipolar disorder and alcohol dependence: a prospective analysis in an 8-week randomized controlled trial of acamprosate (Prisciandaro et al.). *Alcohol Clin Exp Res*. 2012 Jun;36(6):967-9.
- [2]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019;53(2):211-223.

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

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