

Hello Bio, Inc.  
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500  
F. 609-228-4994

customercare-usa@hellobio.com



## DATASHEET

Acamprosate calcium

### Product overview

<b>Name</b>	Acamprosate calcium
<b>Cat No</b>	HB0099
<b>Description</b>	GABA receptor agonist and glutamatergic modulator
<b>Alternative names</b>	Calcium acetylhomotaurinate   Campral
<b>Biological action</b>	Agonist

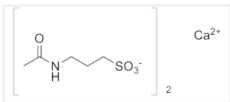
### Biological Data

<b>Biological description</b>	GABA receptor agonist. Also acts as NMDA receptor and mGluR <sub>5</sub> antagonist. Taurinate analog. Reduces alcohol addiction in various animal models. Displays neuroprotective properties.
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### Solubility & Handling

<b>Storage instructions</b>	Room temperature (desiccate)
<b>Solubility overview</b>	Soluble in water (100mM)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	3-(Acetylamino)-1-propanesulfonic acid hemicalcium salt
<b>Molecular Weight</b>	200.24
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>10</sub> NO <sub>4</sub> S · 1/2 Ca
<b>CAS Number</b>	77337-73-6
<b>PubChem identifier</b>	155434
<b>SMILES</b>	CC(=O)NCCCC(=O)(=O)[O-].CC(=O)NCCCC(=O)(=O)[O-].[Ca+2]
<b>InChiKey</b>	BUVGWDNTAWHSKI-UHFFFAOYSA-L

### References

#### Neuroprotective and abstinence-promoting effects of acamprosate: elucidating the mechanism of action.

De Witte P *et al* (2005) CNS Drugs 19(6)

**PubMedID** [15963001](#)

#### Acamprosate enhances N-methyl-D-aspartate receptor-mediated neurotransmission but inhibits presynaptic GABA(B) receptors in nucleus accumbens neurons.

Berton F *et al* (1998) Alcohol Clin Exp Res 22(1)

**PubMedID** [9514305](#)

