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DATASHEET

Acamprosate calcium

Product overview

Name	Acamprosate calcium
Cat No	HB0099
Alternative names	Calcium acetylhomotaurinate Campral
Biological action	Agonist
Purity	>98%
Description	GABA receptor agonist and glutamatergic modulator

Images



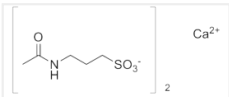
Biological Data

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

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

Chemical Data

Chemical name	3-(Acetylamino)-1-propanesulfonic acid hemicalcium salt
Molecular Weight	200.24
Chemical structure	
Molecular Formula	C ₅ H ₁₀ NO ₄ S · ½ Ca
CAS Number	77337-73-6
PubChem identifier	155434
SMILES	CC(=O)NCCCC(=O)(=O)[O-].[Ca+2]

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](#)
