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DATASHEET

Tramiprosate

Product overview

Name	Tramiprosate
Cat No	HB0866
Alternative names	Homotaurine
Biological action	Other
Description	GABA analogue / sGAG mimetic


Biological Data

Biological description	GABA analogue and sulfated glycosaminoglycan (sGAG) mimetic. Shows protective actions against kainic acid convulsive and cytotoxic effects. Blocks PSD95 - nNOS interaction to show neuroprotective effects against ischemic stroke. Also decreases Amyloid- β plaques in Alzheimer's models. Blood-brain barrier permeable.
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Solubility & Handling

Storage instructions	+4°C
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-Amino-1-propanesulfonic acid
Molecular Weight	139.17
Chemical structure	
Molecular Formula	C ₃ H ₉ NO ₃ S
CAS Number	3687-18-1
PubChem identifier	1646
SMILES	NCCCS(=O)(O)=O
InChiKey	SNKZJIOFVMKAOJ-UHFFFAOYSA-N

References

Tramiprosate protects neurons against ischemic stroke by disrupting the interaction between PSD95 and nNOS.

Wu S *et al* (2014) *Neuropharmacology* 83
PubMedID [24769446](#)

Homotaurine (3 aminopropanesulfonic acid; 3APS) protects from the convulsant and cytotoxic effect of systemically administered kainic acid.

Fariello RG *et al* (1982) *Neurology* 32(3)
PubMedID [7199633](#)

Targeting soluble Abeta peptide with Tramiprosate for the treatment of brain amyloidosis.

Gervais F *et al* (2007) *Neurobiol Aging* 28(4)

PubMedID

16675063
