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DATASHEET

Taurine

Product overview

Name	Taurine
Cat No	HB2658
Biological action	Agonist
Purity	>98%
Description	Abundant free amino acid found in the brain.

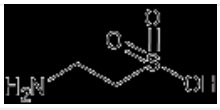
Biological Data

Biological description	Abundant free amino acid found in the brain, retina, muscle tissue, and organs throughout the body. Acts as a partial agonist at the inhibitory glycine receptor. Shows various biological effects and has recently been shown to be implicated in the aging process.

Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in water (100 mM)
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	2-Aminoethanesulfonic Acid
Molecular Weight	125.14
Chemical structure	
Molecular Formula	$C_2H_7NO_3S$
CAS Number	107-35-7
PubChem identifier	1123
SMILES	C(CS(=O)(=O)O)N
InChi	InChI=1S/C2H7NO3S/c3-1-2-7(4,5)6/h1-3H2,(H,4,5,6)
InChiKey	XOAAWQZATWQOTB-UHFFFAOYSA-N
MDL number	MFCD00008197

References

Taurine deficiency as a driver of aging.

Singh P et al (2023) Science (New York, N.Y.) 380
PubMedID 37289866

The Anti-Inflammatory Effect of Taurine on Cardiovascular Disease.

Qaradakhi T et al (2020) Nutrients 12

PubMedID 32957558

The Role of Taurine in Mitochondria Health: More Than Just an Antioxidant.

Jong CJ et al (2021) Molecules (Basel, Switzerland) 26
PubMedID 34443494