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

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

customercare-usa@hellobio.com



DATASHEET

Taurine

Product overview

Name Taurine Cat No HB2658 **Biological action** Agonist >98% **Purity**

Description Abundant free amino acid found in the brain.

Biological Data

Abundant free amino acid found in the brain, retina, muscle tissue, and organs throughout the body. **Biological description**

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

Solubility overview Storage instructions

Soluble in water (100 mM) Room temperature

Storage of solutions

Prepare and use solutions on the same day if possible. Store solutions at -20°C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions

Important

Stable for ambient temperature shipping. Follow storage instructions on receipt.

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 Molecular Weight **Chemical structure** 2-Aminoethanesulfonic Acid

125.14



Molecular Formula **CAS Number PubChem identifier** C₂H₇NO₃S 107-35-7 1123

SMILES C(CS(=O)(=O)O)NInChi

InChI=1S/C2H7NO3S/c3-1-2-7(4,5)6/h1-3H2,(H,4,5,6)

XOAAWQZATWQOTB-UHFFFAOYSA-N

MFCD00008197

References

InChiKey

MDL number

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