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DATASHEET

Hypotaurine

Product overview

Name	Hypotaurine
Cat No	HB2656
Biological action	Agonist
Purity	>95%
Description	Non-selective endogenous glycine receptor agonist


Biological Data

Biological description	Endogenous inhibitory amino acid with various biological actions. Antioxidant and free radical scavenger.
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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-Aminoethylsulfonic acid
Molecular Weight	109.14
Chemical structure	
Molecular Formula	C ₂ H ₇ NO ₂ S
CAS Number	300-84-5
PubChem identifier	107812
SMILES	C(CS(=O)O)N
InChi	InChI=1S/C2H7NO2S/c3-1-2-6(4)5/h1-3H2,(H,4,5)
InChiKey	VVIUBCNYACGLLV-UHFFFAOYSA-N

References

Hypotaurine evokes a malignant phenotype in glioma through aberrant hypoxic signaling.

Gao P et al (2016) Oncotarget 7

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Role of Hypotaurine in Protection against UVA-Induced Damage in Keratinocytes.

Baseggio Conrado A et al (2021) Photochemistry and photobiology 97

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The antioxidant action of taurine, hypotaurine and their metabolic precursors.

Aruoma OI et al (1988) The Biochemical journal 256

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