



LKT Laboratories, Inc.

Taurine

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Product Information

Product ID T0081

CAS No. 107-35-7

Chemical Name 2-Aminoethanesulfonic acid

Synonym Tauphon, β -Aminoethylsulfonic acid

Formula $C_2H_7NO_3S$

Formula Wt. 125.14

Melting Point >300°C(dec)

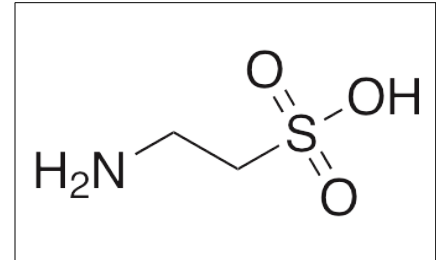
Purity \geq 98%

Solubility Soluble in 15.5 parts of water (12°C), 100 parts of 95% alc (17°C).

Store Temp Ambient

Ship Temp Ambient

Description Taurine is an endogenous sulfonic acid found in the intestines; it is a primary component of bile acids. Taurine exhibits antioxidative, hepatoprotective, vasodilatory, cardiomodulatory, neuromodulatory, anxiolytic, and anti-hyperlipidemic activities. Taurine plays a significant role in Ca^{2+} signaling, cardiovascular function, skeletal muscle development, and membrane stabilization. In vivo, taurine decreases lipid peroxidation and prevents the development of fatty liver disease. Taurine acts as an agonist at GABA-A receptors and glycine receptors and increases open area time in animal models undergoing tests of anxiety. Additionally, taurine decreases blood pressure when administered chronically and increases it when administered acutely. In other animal models, taurine decreases levels of LDL, total cholesterol, triglycerides, and glucose and increases levels of HDL.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
T0081	50 g	\$50.00
T0081	100 g	\$71.30

References El Idrissi A, Okeke E, Yan X, et al. Taurine regulation of blood pressure and vasoactivity. *Adv Exp Med Biol.* 2013;775:407-25. PMID: 23392950.

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Bouckenooghe T, Remacle C, Reusens B. Is taurine a functional nutrient? *Curr Opin Clin Nutr Metab Care.* 2006 Nov;9(6):728-33. PMID: 17053427.

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Huxtable RJ. Physiological actions of taurine. *Physiol Rev.* 1992 Jan;72(1):101-63. PMID: 1731369.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.