

Glutaurine aceate

Chemical Properties

CAS No. :

Formula: C₉H₁₈N₂O₈S

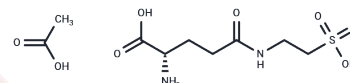
Molecular Weight: 314.31

Storage:

Store at low temperature, Keep away from moisture

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Glutaurine aceate containing glutamine and taurine residues is an orally active hormone of the parathyroid. Glutaurine aceate, as a hormone, is isolated from parathyroid gland oxyphil cells. Glutaurine aceate can be used for the research of antiepileptic and anti-amnesia[1][2][3][4].
Targets(IC50)	Thyroid hormone receptor(THR)
In vivo	Glutaurine aceate (1, 10, 20 or 50 µg/rat; p.o.) significantly restores the latency of entry in both the 24 and 48 hours tests at the dose of 50 µg/rat[2]. Glutaurine aceate (100~3000 ug/kg; i.p.) significantly reduces T3 blood levels in a dose-dependent manner, but does not significantly raise T4 blood levels[3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1816 mL	15.9079 mL	31.8157 mL
5 mM	0.6363 mL	3.1816 mL	6.3631 mL
10 mM	0.3182 mL	1.5908 mL	3.1816 mL
50 mM	0.0636 mL	0.3182 mL	0.6363 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Balázs M, et al. Effects of glutaurine treatment on electroshock-induced amnesia. Antiamnesic action of glutaurine. *Neuropeptides*. 1988;12(2):55-58.

Feuer L, et al. Effect of glutaurine, a newly discovered parathyroid hormone on rat thymus cultures. *Acta Morphol Acad Sci Hung*. 1978;26(2):87-94.

Baskin S, et al. The effect of glutaurine on thyroid hormones in the rat. *Neuropeptides*. 1987;9(1):45-50.

Uemura S, et al. Gamma-glutamyltaurine has potent and long-lasting antiepileptic action as demonstrated by intra-amygdaloid injection in amygdala-kindled rats. *Brain Res*. 1992;594(2):347-350.

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