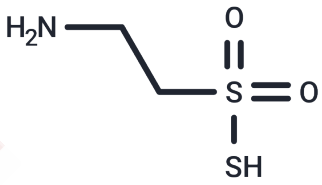
Data Sheet (Cat.No.TN8924)

TargetMol

Thiotaurine

Chemical Properties



CAS No. : 2937-54-4

Formula: C2H7NO2S2

Molecular Weight: 141.21

Storage: Keep away from direct sunlight,Store under nitrogen
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	Thiotaurine, a metabolite of cystine, acts as a sulfur donor. It participates in neutrophil activation and leukocyte energy metabolism by regulating GAPDH activity, possessing potential anti-inflammatory and immunomodulatory effects.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 80.00 mg/mL (566.53 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.0817 mL	35.4083 mL	70.8165 mL
5 mM	1.4163 mL	7.0817 mL	14.1633 mL
10 mM	0.7082 mL	3.5408 mL	7.0817 mL
50 mM	0.1416 mL	0.7082 mL	1.4163 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

Capuozzo E, et al., A Proteomic Approach to Study the Effect of Thiotaurine on Human Neutrophil Activation. Adv Exp Med Biol. 2017;975 Pt 1:563-571.

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