Data Sheet (Cat.No.T13656)

TargetMol

DL-Threonine

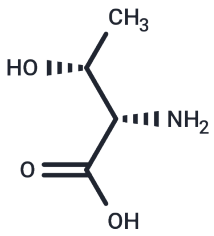
Chemical Properties

CAS No. : 80-68-2

Formula: C4H9NO3

Molecular Weight: 119.12

Storage: 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	DL-Threonine, a crucial amino acid compound, plays an integral role in numerous metabolic processes including the synthesis of glycine, the enzymatic conversion of glycogen to glucose, the maintenance of muscle tissue integrity, and the systemic regulation of overall amino acid balance.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: insoluble or slightly soluble H2O: 80 mg/mL (671.59 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.3949 mL	41.9745 mL	83.949 mL
5 mM	1.679 mL	8.3949 mL	16.7898 mL
10 mM	0.8395 mL	4.1974 mL	8.3949 mL
50 mM	0.1679 mL	0.8395 mL	1.679 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

Harvey SG, et al. L-cysteine, glycine and dl-threonine in the treatment of hypostatic leg ulceration: a placebo-controlled study. Pharmatherapeutica, 01 Jan 1985, 4(4):227-230.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481