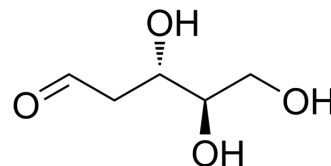


## Thyminose

Cat. No.:	HY-77956
CAS No.:	533-67-5
Molecular Formula:	C <sub>5</sub> H <sub>10</sub> O <sub>4</sub>
Molecular Weight:	134.13
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (745.55 mM; Need ultrasonic)					
	H <sub>2</sub> O : 100 mg/mL (745.55 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	7.4555 mL	37.2773 mL	74.5545 mL
			5 mM	1.4911 mL	7.4555 mL	14.9109 mL
10 mM			0.7455 mL	3.7277 mL	7.4555 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (372.77 mM); Clear solution; Need ultrasonic					
	2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (18.64 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (18.64 mM); Clear solution					
	4. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (18.64 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	Thyminose is an endogenous metabolite.
IC <sub>50</sub> & Target	Human Endogenous Metabolite

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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA