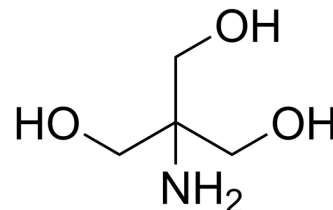


## THAM

Cat. No.:	HY-D0227		
CAS No.:	77-86-1		
Molecular Formula:	C <sub>4</sub> H <sub>11</sub> NO <sub>3</sub>		
Molecular Weight:	121.14		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 50 mg/mL (412.75 mM; Need ultrasonic)

DMSO : 25 mg/mL (206.37 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	8.2549 mL	41.2746 mL	82.5491 mL
5 mM	1.6510 mL	8.2549 mL	16.5098 mL
10 mM	0.8255 mL	4.1275 mL	8.2549 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

THAM (Tris) is a biologically inert amino alcohol of low toxicity, which buffers carbon dioxide and acids in vitro and in vivo. THAM is an effective amine compound for pH control in the physiological range<sup>[1]</sup>.

### REFERENCES

[1]. Nahas GG, et al. Guidelines for the treatment of acidaemia with THAM. *Drugs*. 1998 Feb;55(2):191-224.

**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

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