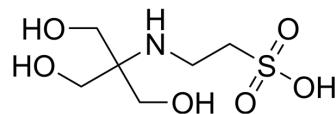


TES

Cat. No.:	HY-23430		
CAS No.:	7365-44-8		
Molecular Formula:	C ₆ H ₁₅ NO ₆ S		
Molecular Weight:	229.25		
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 ₂ O : 125 mg/mL (545.26 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	4.3621 mL	21.8103 mL	43.6205 mL
	5 mM	0.8724 mL	4.3621 mL	8.7241 mL
	10 mM	0.4362 mL	2.1810 mL	4.3621 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (436.21 mM); Clear solution; Need ultrasonic			

BIOLOGICAL ACTIVITY

Description	TES is a buffering agent (pK _a =7.550 at 25°C). TES is one of the Good's buffers, the buffer capacity ranging pH 6.8-8.2 ^{[1][2]} .
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REFERENCES

- [1]. N E Good, et al. Hydrogen ion buffers for biological research. *Biochemistry*. 1966 Feb;5(2):467-77.
- [2]. A Itagaki, et al. Tes and HEPES buffers in mammalian cell cultures and viral studies: problem of carbon dioxide requirement. *Exp Cell Res*. 1974 Feb;83(2):351-61.

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