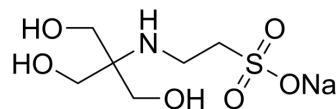


TES sodium

Cat. No.:	HY-23430A
CAS No.:	70331-82-7
Molecular Formula:	C ₆ H ₁₄ NNaO ₆ S
Molecular Weight:	251.23
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 250 mg/mL (995.10 mM; Need ultrasonic)
DMSO : 83.33 mg/mL (331.69 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		Concentration	1 mg	5 mg	10 mg
	1 mM		3.9804 mL	19.9021 mL	39.8042 mL
	5 mM		0.7961 mL	3.9804 mL	7.9608 mL
	10 mM		0.3980 mL	1.9902 mL	3.9804 mL

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

BIOLOGICAL ACTIVITY

Description

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

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.

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