



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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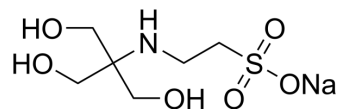
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## TES sodium

<b>Cat. No.:</b>	HY-23430A
<b>CAS No.:</b>	70331-82-7
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>14</sub> NNaO <sub>6</sub> S
<b>Molecular Weight:</b>	251.23
<b>Target:</b>	Biochemical Assay Reagents
<b>Pathway:</b>	Others
<b>Storage:</b>	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

H<sub>2</sub>O : 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<sub>a</sub>=7.550 at 25°C). TES sodium is one of the Good's buffers, the buffer capacity ranging pH 6.8-8.2<sup>[1][2]</sup>.

### 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.

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

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