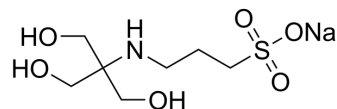


## TAPS sodium

<b>Cat. No.:</b>	HY-W040263
<b>CAS No.:</b>	91000-53-2
<b>Molecular Formula:</b>	C <sub>7</sub> H <sub>16</sub> NNaO <sub>6</sub> S
<b>Molecular Weight:</b>	265.26
<b>Target:</b>	Biochemical Assay Reagents
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

TAPS sodium is a biological buffer that protects the structural integrity of lysozyme bacteria and prevents them from thermal denaturation at high temperatures. A pKa of 8.1 for TAPS results in half-maximal connexin channel activity<sup>[1][2]</sup>.

### REFERENCES

[1]. Pannuru P, et al. The effects of biological buffers TRIS, TAPS, TES on the stability of lysozyme. *Int J Biol Macromol.* 2018 Jun;112:720-727.

[2]. Bevans CG, et al. Regulation of connexin channels by pH. Direct action of the protonated form of taurine and other aminosulfonates. *J Biol Chem.* 1999 Feb 5;274(6):3711-9. Bevans CG, et al. Regulation of connexin channels by pH. Direct action of the protonated form of taurine and other aminosulfonates. *J Biol Chem.* 1999 Feb 5;274(6):3711-9.

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

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