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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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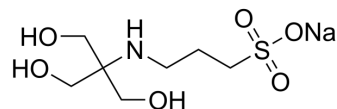
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TAPS sodium

Cat. No.:	HY-W040263
CAS No.:	91000-53-2
Molecular Formula:	C ₇ H ₁₆ NNaO ₆ S
Molecular Weight:	265.26
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	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^{[1][2]}.

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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