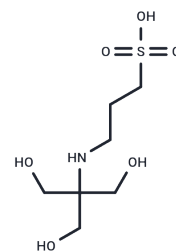


## TAPS

## Chemical Properties

CAS No. :	29915-38-6
Formula:	C7H17NO6S
Molecular Weight:	243.28
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	TAPS, a biochemical buffer, safeguards the integrity of lysozyme structures against thermal denaturation at high temperatures. At a pKa of 8.1, TAPS achieves half-maximal activity of conjugated protein channels.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 45 mg/mL (184.97 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1105 mL	20.5524 mL	41.1049 mL
5 mM	0.8221 mL	4.1105 mL	8.221 mL
10 mM	0.411 mL	2.0552 mL	4.1105 mL
50 mM	0.0822 mL	0.411 mL	0.8221 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

- 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.
- 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.

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