

## Product Data Sheet

Product Name: TAPSO  
Cat. No.: GC67631

### Chemical Properties

Cas. No. 68399-81-5

Formula  $C_7H_{17}NO_7S$

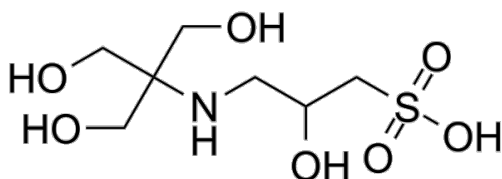
M.Wt 259.28

Solubility Storage 4°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



### Background

TAPSO is a common biological buffer, a pH stabilization reagent, with effective pH ranging from 7-8, and pKa values ranging from 7.5-9.0. TAPSO contains Tris groups and exhibits quite reactive activity with zwitterionic glycine peptides<sup>[1]</sup>.

[1]. Machado CM, et al. Interpretation of non-Nernstian slopes in graphic analysis of data collected in pH range close to deprotonation of a ligand Part I. A glass electrode potentiometric and polarographic study of Cd-(TAPSO)<sub>x</sub>-(OH)<sub>y</sub> and Zn-(TAPSO)<sub>x</sub>-(OH)<sub>y</sub> syst

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

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