

## Product Data Sheet

Product Name: ACES  
Cat. No.: GC60553

### Chemical Properties

Cas. No. 7365-82-4

SMILES O=C(N)CNCCS(=O)(O)=O

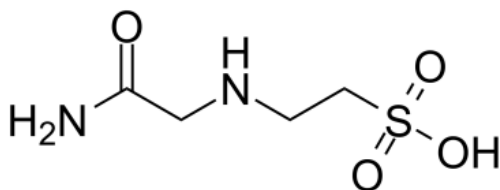
Formula C4H10N2O4S M.Wt 182.2

Solubility Water: 41.67 mg/mL (228.70 mM) Storage Store at -20°C

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

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

Structure



### Background

ACES (N-(2-Acetamido)-2-aminoethanesulfonic acid) is a zwitterionic buffer. The working pH range of ACES buffer is 6.8-7.2[1][2].

[1]. Melissa D Mertzman, et al. Effect of surfactant concentration and buffer selection on chromatographic figures of merit in chiral microemulsion electrokinetic chromatography.

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

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Electrophoresis. 2004 Oct;25(18-19):3247-56. [2]. Rabindra N Roy, et al. Buffer Standards for the Physiological pH of the Zwitterionic Compound, ACES from 5 to 55°C. J Solution Chem. 2009 Apr 1;38(4):471-483.

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