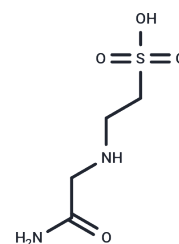


ACES

Chemical Properties

CAS No. :	7365-82-4
Formula:	C ₄ H ₁₀ N ₂ O ₄ S
Molecular Weight:	182.2
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	ACES, or N-(2-Acetamido)-2-aminoethanesulfonic acid, is a zwitterionic buffer compound. It offers an effective pH range of 6.8-7.2 for various applications.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4885 mL	27.4424 mL	54.8847 mL
5 mM	1.0977 mL	5.4885 mL	10.9769 mL
10 mM	0.5488 mL	2.7442 mL	5.4885 mL
50 mM	0.1098 mL	0.5488 mL	1.0977 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

- Melissa D Mertzman, et al. Effect of surfactant concentration and buffer selection on chromatographic figures of merit in chiral microemulsion electrokinetic chromatography. *Electrophoresis*. 2004 Oct;25(18-19):3247-56.
- 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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