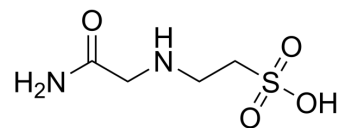


ACES

Cat. No.:	HY-D0866		
CAS No.:	7365-82-4		
Molecular Formula:	C ₄ H ₁₀ N ₂ O ₄ S		
Molecular Weight:	182.2		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 41.67 mg/mL (228.70 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	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
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: PBS Solubility: 16.67 mg/mL (91.49 mM); Clear solution; Need ultrasonic			

BIOLOGICAL ACTIVITY

Description	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].
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REFERENCES

[1]. 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.

[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.

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

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