

Product Data Sheet

Product Name: CAPS
Cat. No.: GC65571

Chemical Properties

Cas. No. 1135-40-6

Formula C₉H₁₉NO₃S M.Wt 221.32

Solubility H₂O : 125 mg/mL (564.79 mM; Need ultrasonic); DMSO : 5 mg/mL (22.59 mM; Need ultrasonic) Storage Store at -20°C

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.

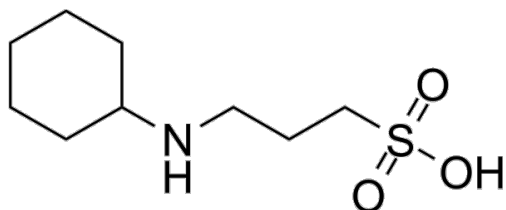
Caution: Product has not been fully validated for medical applications. For research use only.

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Structure



Background

CAPS, cyclohexylaminopropane sulfonic acid, is a surfactant. CAPS can be used as biological buffer (0.05 M, pH 11) for dialysis[1][2].

CAPS surfactant bears a single negative charge since the amine is not ionized at high pH[1].

[1]. Bedard P R, et al. Ion Interaction: The Energetics and Mechanism of The Competitive Behavior Between Two Similarly Charged Molecules. 1. The Effect of Ionic Strength, Acetonitrile and Surfactant Concentration[J]. Journal of Liquid Chromatography, 1985, 8(13):2417-2443.

[2]. Oberley TD, et al. The effect of the dimeric and multimeric forms of fibronectin on the adhesion and growth of primary glomerular cells. Exp Cell Res. 1983 May;145(2):265-76.

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