



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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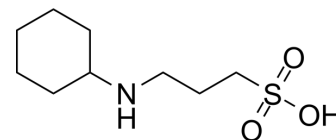
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CAPS

Cat. No.:	HY-D0869		
CAS No.:	1135-40-6		
Molecular Formula:	C ₉ H ₁₉ NO ₃ S		
Molecular Weight:	221.32		
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

H₂O : 125 mg/mL (564.79 mM; Need ultrasonic)
 DMSO : 5 mg/mL (22.59 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.5183 mL	22.5917 mL	45.1834 mL
	5 mM	0.9037 mL	4.5183 mL	9.0367 mL
	10 mM	0.4518 mL	2.2592 mL	4.5183 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 0.5 mg/mL (2.26 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 0.5 mg/mL (2.26 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

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

In Vitro

CAPS surfactant bears a single negative charge since the amine is not ionized at high pH^[1].
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[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.

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

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