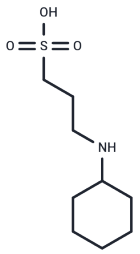
Data Sheet (Cat.No.T65687)

TargetMol

CAPS

Chemical Properties



CAS No. : 1135-40-6

Formula: C9H19NO3S

Molecular Weight: 221.32

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	CAPS (N-Cyclohexyl-3-aminopropanesulfonic acid) is a surfactant that acts as a chemiluminescence enhancer and can be used in the development of deep-sea in situ analyzers.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: 100 mg/mL (451.83 mM),Sonication is recommended. DMSO: 2 mg/mL (9.04 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0904 mL	0.4518 mL	0.9037 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

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

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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