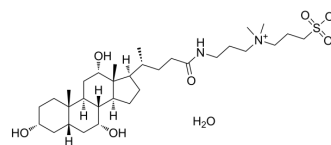


CHAPS hydrate

Cat. No.:	HY-15435A
CAS No.:	331717-45-4
Molecular Formula:	C ₃₂ H ₆₀ N ₂ O ₈ S
Molecular Weight:	632.89
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10.87 mg/mL (17.18 mM); ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.5801 mL	7.9003 mL	15.8005 mL
5 mM	0.3160 mL	1.5801 mL	3.1601 mL
10 mM	0.1580 mL	0.7900 mL	1.5801 mL

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

BIOLOGICAL ACTIVITY

Description

CHAPS hydrate, a derivative of Cholic acid, is a zwitterionic detergent for solubilizing membrane proteins. CHAPS hydrate is used for stabilization of various protein-DNA complexes and can retain biochemical activity of proteins in solution^{[1][2]}.

CUSTOMER VALIDATION

- J Colloid Interface Sci. 2019 May 1;543:96-105.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Kroflic A, et al. Thermodynamic characterization of 3-[(3-cholamidopropyl)-dimethylammonium]-1-propanesulfonate (CHAPS) micellization using isothermal titration calorimetry: temperature, salt, and pH dependence. Langmuir. 2012 Jul 17;28(28):10363-71.

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

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