



# SZABO SCANDIC

Part of Europa Biosite

## 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

### SZABO-SCANDIC HandelsgmbH

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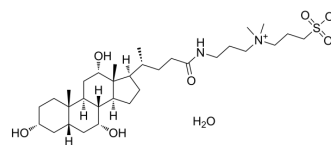
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## CHAPS hydrate

<b>Cat. No.:</b>	HY-15435A
<b>CAS No.:</b>	331717-45-4
<b>Molecular Formula:</b>	C <sub>32</sub> H <sub>60</sub> N <sub>2</sub> O <sub>8</sub> S
<b>Molecular Weight:</b>	632.89
<b>Target:</b>	Biochemical Assay Reagents
<b>Pathway:</b>	Others
<b>Storage:</b>	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<sup>[1][2]</sup>.

### CUSTOMER VALIDATION

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

See more customer validations on [www.MedChemExpress.com](http://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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