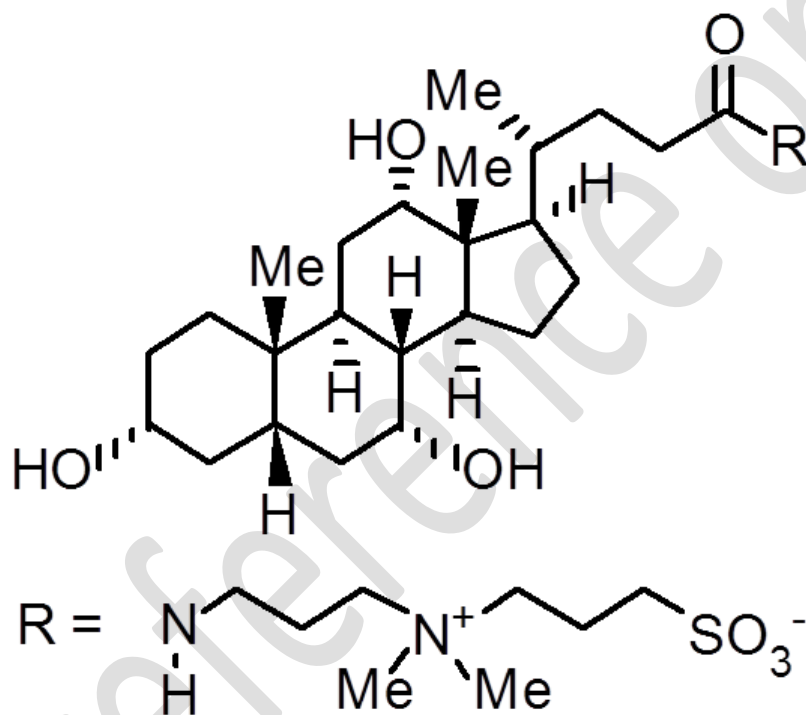


## CHAPS

Cat # NB-39-00031-5g	Size: 5g
Cat # NB-39-00031-10g	Size: 10g
Cat # NB-39-00031-25g	Size: 25g
Cat # NB-39-00031-50g	Size: 50g



### Product Information

<b>Chemical Name:</b>	3-[(3-Cholamidopropyl)-dimethylammonio]-1-propane sulfonate
<b>Batch Molecular Formula:</b>	C <sub>32</sub> H <sub>58</sub> N <sub>2</sub> O <sub>7</sub> S
<b>Batch Molecular Weight:</b>	614.89
<b>CAS No.:</b>	[75621-03-3]
<b>Physical Appearance:</b>	White crystal solid
<b>Aggregation No.:</b>	10
<b>Melting point:</b>	157 °C
<b>CMC:</b>	4,2-6,3 mMol/L

- CAUTION - Not fully tested. For Research use only. Not for human use. -

<b>Hygroscopic:</b>	yes
<b>Absorbance</b>	(1 cm / 5%, H <sub>2</sub> O) 290 nm < 0,5; 400 nm 0,02
<b>Storage:</b>	Ambient Following reconstitution, store in the refrigerator (4°C). Stock solutions are stable for up to 6 months at 4°C.

## Solvent and solubility

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Soluble in water (10 mg/ml)

## Biological activity

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Zwitterionic detergent that combines features of bile salts and N-alkyl sulfobetaines. Better at solubilizing proteins than structurally-related carboxylic acid anions and is much more effective at breaking protein-protein interactions than either sodium cholate or TRITON™ X-100 Detergent. Capable of solubilizing the opiate receptor to a state exhibiting reversible binding of opiates. Also, capable of disaggregating cytochrome P450 to its monomeric form without denaturation. Has a small micellar molecular weight and a high critical micellar concentration and can be removed from either gels or protein solutions by dialysis across a membrane.

## Analytical data

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HPLC:	>99% pure
Contaminations:	Pb < 0,005% Na < 0,005% N 4,5% H <sub>2</sub> O 2%

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