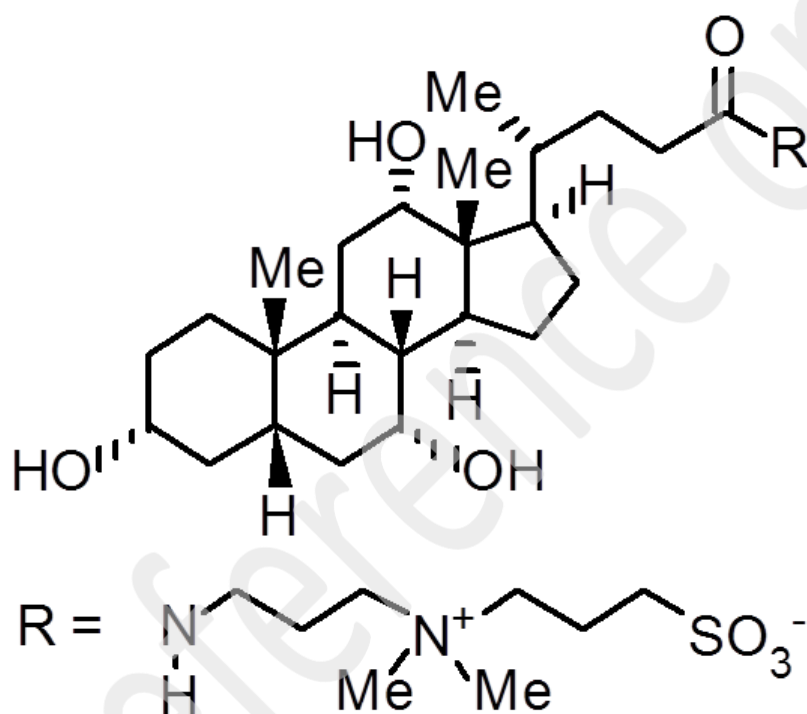


CHAPS 3-[(3-Cholamidopropyl)-dimethylammonio]-1-propane sulfonate [75621-03-3]

#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

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

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

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

Solvent and solubility

Soluble in water (10 mg/ml)

Biological activity

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

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

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