

CHAPS

Catalog No: tcsc0926



Available Sizes

Size: 1g

Size: 5g



Specifications

CAS No:

75621-03-3

Formula:

$C_{32}H_{58}N_2O_7S$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

H₂O : ≥ 46 mg/mL (74.81 mM)

Storage Instruction:

Powder -20°C For 3 years ; 4°C for 2 years In solvent -80°C for 6 months ; -20°C for 1 month

Observed Molecular Weight:

614.88

References

[1]. Menshikova I, et al. Nucleosomes structure and dynamics: effect of CHAPS. *Int J Biochem Mol Biol.* 2011;2(2):129-137.

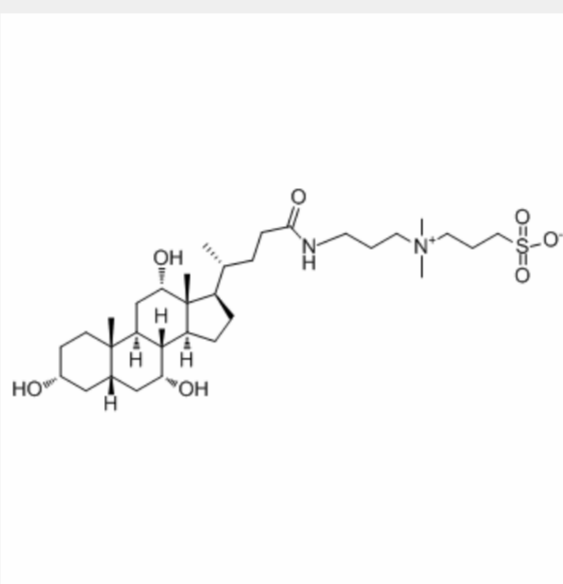
Product Description

CHAPS is a zwitterionic nondenaturing detergent for solubilizing membrane proteins.

Target: CHAPS is often used as a detergent in the solubilization and purification of membrane proteins for several advantageous reasons. CHAPS detergent is non-denaturing to membrane proteins, can solubilize proteins, disaggregate protein-protein interactions and is electrically neutral. CHAPS is also useful in ion exchange chromatography and isoelectric focusing as it is zwitterionic and does not exhibit a net charge between pH 2 to 12. The critical micelle concentration of CHAPS is 6-10mM.

In Vitro: CHAPS (0.5 %) is able to stabilize complexes between DNA and DNA-binding factors such as AP-1, SPI, GATA-1 and α -regulated factor ISGF3, and retains their biochemical activity[1].

CHAPS can prevent dissociation of mononucleosomes diluted to sub-nanomolar concentrations[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!