

CHAPS

3-[(3-Cholaminodopropyl)dimethylammonio]-1-propanesulfonate
Molecular Biology Grade
Ref. 1083

CHAPS is a non-denaturing zwitterionic detergent with cholic acid and sulfobetaine moieties and is used to dissolve biological membranes. Attractive feature of protein extraction, and easy to remove with dialysis or gel filtration. United States Biological supplies CHAPS with low background UV absorption. It is required for protein detection by UV monitoring

Designed by Good, et al., and typically referred to as Good's buffer useful in cell culture media formulations. Selection of biological buffer systems should include the following criteria: exclusion by biological membranes, low absorption between 240 and 700 nm, chemically stable to temperature and concentration changes

Lot N°:

CAS N°:	[75621-03-3]
Formula:	C ₃₂ H ₅₈ N ₂ O ₇ S
MW:	614.9
Melting point:	157 °C
Appearance:	White powder
Assay:	>98 % (w/w) 99.4 % (w/w) (lot analysis)
Solution:	Clear colorless (10% in water)
Solubility:	20 g/100ml H ₂ O, DMF or CH ₃ OH
Loss on drying:	0.6 % (105°C)
Conductivity:	3 µS/cm (0.1M in water)

Storage: Store at room temperature (< 25°C)

Safety/handling: Warning. Avoid skin contact and inhalation of dust (irritant and causes sneezing and coughing)

**Attention**

H315 Provoque une irritation cutanée

H319 Provoque une sévère irritation des yeux

H335 Peut irriter les voies respiratoires.

P305+351+338 EN CAS DE CONTACT AVEC LES YEUX: rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer.