

Product Information Sheet**C526
CHAPS**

Synonyms: 3-[(3-Cholamidopropyl)Dimethyl-Ammonio]-1-Propanesulfonate
CAS: 75621-03-3
Formula: $C_{32}H_{58}N_2O_7S$
Mol. Weight: 614.89

Properties

Form: Powder
Appearance: White to Off-White
Application: Detergent
Solubility: Soluble in water
Storage Temp: Room Temperature
Stock Solution: N/A
Storage Temp: N/A
Typical Working Concentration: Varies with application; should be determined by end user

Application Notes

CHAPS is a non-denaturing, zwitterionic detergent often used in the solubilization and purification of membrane proteins. It does not exhibit a net charge between pH 2 and 12, making it useful for ion exchange chromatography and isoelectric focusing as well.

References

Anglister, J, S Grzesiek, H Ren, C B. Klee, A Bax (1993) Isotope-edited multidimensional NMR of calcineurin B in the presence of the non-deuterated detergent CHAPS. *Journal of Biomolecular NMR* 3:1, pp. 121-126.

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