



PRODUCT INFORMATION CHAPS

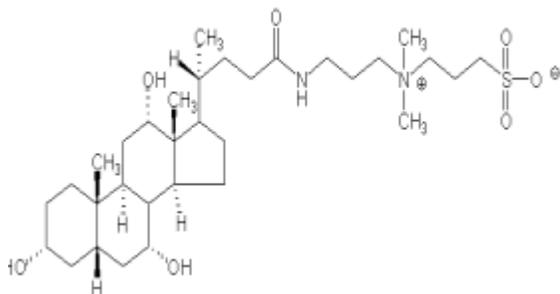
Product information for CD0110:

Product Number: CD0110

CAS#: 75621-03-3

Synonyms: 3-[(3-Cholamidopropyl)dimethylammonio]- 1-propanesulfonate

Product Description



Molecular Formula: C₃₂H₅₈N₂O₇S

Molecular Weight: 614.9

CHAPS is a standard reagent has been found suitable for use as a solubilizing agent in isoelectric focusing applications. is tested to meet low metal content specifications.

CHAPS is a non-denaturing, zwitterionic sulfobetaine detergent for solubilizing membrane proteins and breaking protein-protein interactions. Commonly used for protein solubilization in isoelectric focusing and two-dimensional electrophoresis, especially for nondenaturing (without urea) IEF. CHAPS has been shown to give excellent resolution of some subcellular preparations and plant proteins. Concentrations between 1-4% (w/v) are typically used in an IEF gel. A commonly used IEF sample solution consists of 8 M urea, 4% CHAPS, 50-100 mM dithiothreitol (DTT), and 40 mM Tris. Furthermore, its small micellar molecular weight (6,150) and high critical micellar concentration (6 - 10 mM) allow it to be removed from samples by dialysis.

Preparation Instructions

Soluble in water (50 mg/ml).

Storage/Stability

Storage temperature: 2-8°C. Shelf life is 2 years.