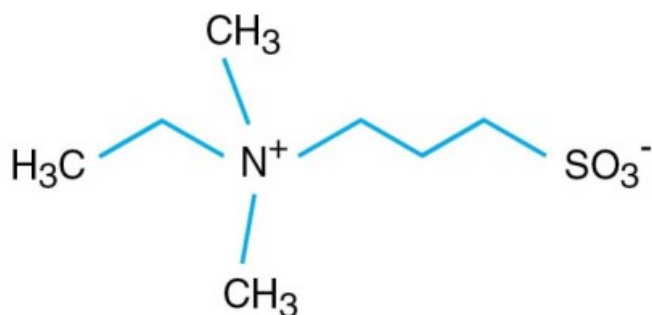


NDSB-195 - 5 g

Crystallization grade NDSB-195 for formulating screens or for optimization

Product codes:

Reference: HR 2703



Product gallery:



Product description:

- Efficiently solubilizes proteins at non-denaturing concentrations
- Useful in preventing protein aggregation
- Non detergent sulfobetaines (NDSB) are used for protein folding, renaturation and crystallization
- Protein specific additive for solubility and stability

The NDSB are a group of zwitterionic compounds that can reduce aggregation and aid in refolding proteins found in inclusion bodies and bacterial expression systems.

Non detergent sulfobetaines have a sulfobetaine hydrophilic group and a short hydrophobic group that cannot aggregate to form micelles, therefore NDSB's are not considered detergents. NDSB increase the extraction yield (up to 30%) of membrane, nuclear and cyto-skeletal associated proteins. The short hydrophobic groups combined with the charge neutralization of the sulfobetaine group results in higher yields of membrane proteins. NDSB have been used in refolding and renaturation of chemically and thermally denatured proteins.

The non detergent sulfobetaines are zwitterionic over a wide pH range, easily removed by dialysis and do not absorb significantly in the near UV range.

Typical useful NDSB concentration in protein sample is 0.5-1.0 M.

NDSB-195

Synonyms: Dimethylethylammonium propane sulfonate or Non-detergent sulfobetaine
C7H17NO3S

Mr 195.30

Purity: ≥95% by TLC

Hygroscopic

Store at room temperature (+20 degrees Celsius)

Per maggiori informazioni visita il sito <https://hamptonresearch.com/>

Product features:

CRF - TIPO: NDSB-195