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ProductInformation

N-Lauroylsarcosine sodium salt SigmaUltra

Product Number **L5777**Store at Room Temperature

Product Description

Molecular Formula: C₁₅H₂₈NNaO₃

Molecular Weight: 293.4 CAS Number: 137-16-6 λ_{max} : 220 nm, 265 nm¹

Extinction coefficient: $E^{M} = 3 (280 \text{ nm})^{1}$

Critical Micelle Concentration (CMC): 14.57 mM

(30 °C)²

Trace elemental analyses have been performed on the SigmaUltra N-lauroylsarcosine, sodium salt. The Certificate of Analysis provides lot-specific results. SigmaUltra N-lauroylsarcosine, sodium salt, is for applications which require tight control of elemental content.

This product is an anionic detergent. It aids in the solubilization and separation of membrane proteins and glycoproteins. It has been used to indicate paramagnetic anisotropy sign change in micelle mesophage. It inhibits hexokinase. Inhibition of bacterial flora of human saliva/gut at 0.25% as well as fungistatic activity in aqueous dispersion (1%) have been reported.

The IR spectrum has been reported. A method for determination of sodium laurate content in N-lauroylsarcosine has been reported.

Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions

The product is soluble in water (100 mg/ml), yielding a clear to slightly hazy, colorless solution.

References

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