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Product Information

N-Lauroylsarcosine

Product Number **L 5000**

Store at Room Temperature

Product Description

Molecular Formula: $C_{15}H_{29}NO_3$

Molecular Weight: 271.4

CAS Number: 97-78-9

λ_{max} : 220 nm, 265 nm¹

Extinction coefficient: $E^M = 3$ (280 nm)¹

Critical Micelle Concentration (CMC): 14.57 mM
(30 °C)²

Melting point: 43 °C

This product is an anionic detergent.¹ It aids in the solubilization and separation of membrane proteins and glycoproteins.³ It has been used to indicate paramagnetic anisotropy sign change in micelle mesophase.⁴ It inhibits hexokinase.⁵ Inhibition of bacterial flora of human saliva/gut at 0.25% as well as fungistatic activity in aqueous dispersion (1%) have been reported.⁶

The IR spectrum has been reported.⁷

A method for determination of sodium laurate content in N-lauroylsarcosine has been reported.⁸

Precautions and Disclaimer

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

Preparation Instructions

The product is soluble in methanol (50 mg/ml), yielding a clear, colorless solution.

References

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4. J. Phys. Chem., **85**, 3244 (1981).
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