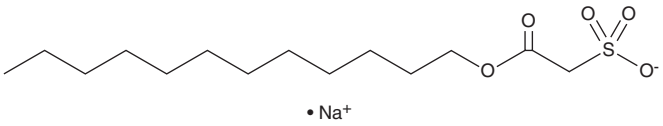
PRODUCT INFORMATION

Sodium Lauryl Sulfoacetate

Item No. 29906

CAS Registry No.: 1847-58-1
Formal Name: 2-sulfo-acetic acid, dodecyl ester, monosodium salt
MF: $C_{14}H_{27}O_5S \bullet Na$
FW: 330.4
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Description

Sodium lauryl sulfoacetate is an anionic surfactant.[1] It increases proliferation of isolated chicken peripheral blood mononuclear cells (PBMCs) when used at concentrations ranging from 62.5 to 500 µg/ml.[2] Sodium lauryl sulfoacetate (1, 2, and 4 mg/kg) increases the blood $CD4^+$ to $CD8^+$ T cell ratio induced by a Newcastle disease virus vaccine in chickens. Formulations containing sodium lauryl sulfoacetate have been used as surfactants in the manufacture of cosmetics.

References

1. Gad, E.A.M., El-Sukkary, M.M.A., and Azzam, E.M.S. Surface and thermodynamic properties of octyl, dodecyl, and cetyl sulfoacetates. *Monatshefte für Chemie* **128**, 1085-1092 (1997).
2. Cheng, D., Zhu, S., and Sun, H. The immune enhancement of sodium lauryl sulfoacetate in chickens. *Vet. Med. Int.* 485060 (2010).

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