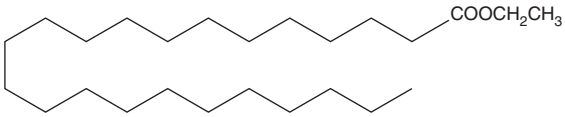
PRODUCT INFORMATION

Tricosanoic Acid ethyl ester

Item No. 10006874

Synonym: SFE 25:0
MF: $C_{25}H_{50}O_2$
FW: 382.7
Purity: ≥98%
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥4 years



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

Labratory Procedures

Tricosanoic acid ethyl ester is supplied as a crystalline solid. A stock solution may be made by dissolving the tricosanoic acid ethyl ester in the solvent of choice, which should be purged with an inert gas. Tricosanoic acid ethyl ester is soluble in the organic solvent chloroform at a concentration of approximately 10 mg/ml.

Description

Tricosanoic Acid ethyl ester, a long chain saturated fatty acid ethyl ester, is found in small quantities in liverwort, *C. conicum*.[1] The free acid decreases the hemolytic activity of *S. aureus* delta toxin on human erythrocytes.[2] Both the ethyl ester and the free acid can be used as standards for analysis of lipid mixtures.

References

1. Matsuo, A., Nakayama, M., Hayashi, S., *et al.* Fatty acid ethyl esters in the liverwort *Conocephalum conicum*. *Phytochem*. **19**, 1848-1849 (1980).
2. Kapral, F.A. Effect of fatty acids on Staphylococcus aureus delta-toxin hemolytic activity. *Infect. Immun.* **13(1)**, 114-119 (1976).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

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