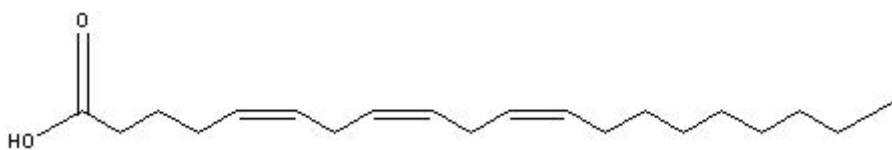


TECHNICAL INFORMATION

Catalog Number: 159104

cis 5,8,11-Eicosatrienoic acid, free base

Structure:



Molecular Formula: C₂₀H₃₄O₂

Molecular Weight: 306.5

Synonyms: Mead acid; Eicosa-5Z,8Z,11Z-trienoic acid 20:3, n-9

CAS # : 20590-32-3

Physical Appearance: Clear oil

Description: Subject to oxidation. Protect from air! Accumulates in tissues of essential fatty acid deficient animals. ¹ It is not converted to prostaglandins and LTB₄ but is converted to cysteinyl leukotrienes. ² Demonstrates immunomodulatory and anti-inflammatory activity ³⁻⁴

Solubility: Soluble in ethanol(10 mg/ ml), acetone, methyl acetate, hexane. Store solutions under an inert atmosphere at -20°C for up to 3 months.

References:

- Lefkowitz, J.B., *Adv. Prostagland. Thromboxane Leukotriene Res.*, **23**, 123 (1990)
- Lefkowitz, J.B. et al., *Adv. Prostagland. Thromboxane Leukotriene Res.*, **20**, 224 (1986)
- Schreiner, G.F. et al., *Science*, **240**, 1032 (1988)
- Willis, A.L. (Ed), *Handbook of Eicosanoids* CRS Press, Boca Raton (1987)