

Product Data Sheet

Product Name: 11(E)-Eicosenoic Acid

Cat. No.: GC40728

Chemical Properties

Cas. No. 62322-84-3

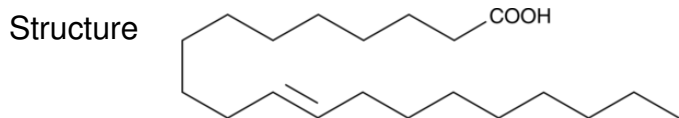
SMILES CCCCCCCC/C=C/CCCCCCCCC(O)=O

Formula C₂₀H₃₈O₂ M.Wt 310.5

Solubility Ethanol: 20 mg/ml, Ethanol:PBS(pH 7.2) (1:1): 0.5 mg/ml Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.



Background

11(E)-Eicosenoic acid is a very long-chain ω -9 fatty acid that is a trans monounsaturated isomer of arachidic acid. 11(E)-Eicosenoic acid is one of several monounsaturated 20-carbon fatty acids. The combined C20:1 isomers constitute 70% of the total fatty acid pool in jojoba seed oil isolated from plants in the Arizona desert. Unlike other eicosenoic fatty acids, 11(E)-eicosenoic acid does not inhibit leukotriene B₄ ($K_i = 1,150 \mu\text{M}$ in a radioligand binding assay in pig neutrophil membranes) or affect telomerase activity.

Caution: Product has not been fully validated for medical applications. For research use only.

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