**Accurate Mass:** 280.24023
**Percentage Composition:** C 77.09%; H 11.50%; O 11.41%
**Biological Source:** Constit. of most vegetable oils and animal fats. Occurs in lichens. Constit. of mandibular gland secretions of *Philanthus basilaris* and *Philanthus bicinctus*. The Fe salt is the major component of metallic drier compositions used to line food cases
**Use/Importance:** Essential fatty acid. Prostaglandin precursor
**Physical Description:** Liq.
**Melting Point:** Mp –5°
**Boiling Point:** $Bp_{16}$ 229-230°. $Bp_{0.02}$ 129°
**Solubility:** Insol. $H_2O$; sol. EtOH, $Et_2O$
**Density:** $d_4^{25}$0.9025
**Refractive Index:** $n_D^{20}$ 1.4697
**Other Data:** Undergoes thermal or catalysed dimerisation
**Hazard & Toxicity:** Skin irritant. Gastrointestinal effects reported by ingestion. Fl. p. >66°

**Aldrich:** W33800-1
**Fluka:** 62240
**Rare Chemicals Library:** S57978-5
**Sigma:** L1376

>>**Derivative:** Na salt

**CAS Registry Number:** 822-17-3
**Melting Point:** Mp 230 dec.°
**Aldrich:** 28643-5
**Sigma:** L8134

>>**Derivative:** Ca salt
**Synonym(s):** Linocalcium

**CAS Registry Number:** 19704-83-7

>>**Derivative:** Me ester

**CAS Registry Number:** 112-63-0
**Melting Point:** Mp –35°
**Boiling Point:** $Bp_1$ 168-170°
**Aldrich:** 10335-7
**Fluka:** 62280
**Sigma:** L2001
**Supelco:** R42-0575

>>**Derivative:** Et ester

**CAS Registry Number:** 544-35-4
**Molecular Formula:** $C_{20}H_{36}O_2$
**Molecular Weight:** 308.503
**Accurate Mass:** 308.27153
**Percentage Composition:** C 77.87%; H 11.76%; O 10.37%
**Boiling Point:** $Bp_{2.5}$ 175°
**Refractive Index:** $n_D^{20}$ 1.4600
**Aldrich:** 85776-9
**Fluka:** 62262
**Rare Chemicals Library:** S41448-4
**Sigma:** L1751

>>**Derivative:** Isopropyl ester
**Synonym(s):** Isopropyl 9,12-octadecadienoate. Isopropyl linoleate

**CAS Registry Number:** 22882-95-7
**Molecular Formula:** $C_{21}H_{38}O_2$
**Molecular Weight:** 322.53
**Accurate Mass:** 322.28718
**Percentage Composition:** C 78.20%; H 11.87%; O 9.92%
**Biological Use/Importance:** Used in cosmetics as emolient for dry skin
**Physical Description:** Liq. with low viscosity
**Boiling Point:** $Bp_{2.5}$ 179°
**Density:** d 0.87
**Other:** PB I10320