



**CAS Registry Number:** 7459-33-8

**Molecular Formula:**  $C_{18}H_{31}ClO$

**Molecular Weight:** 298.895

**Accurate Mass:** 298.206342

**Percentage Composition:** C 72.33%; H 10.45%; Cl 11.86%; O 5.35%

**Boiling Point:**  $Bp_{0.3}$  148°

>>**Derivative:** Cyclohexylamide

**Synonym(s):** Clinolamide, INN. Linolexamide

**CAS Registry Number:** 25167-65-1

**Molecular Formula:**  $C_{24}H_{43}NO$

**Molecular Weight:** 361.61

**Accurate Mass:** 361.334464

**Percentage Composition:** C 79.72%; H 11.99%; N 3.87%; O 4.42%

**Use/Importance:** Used in manuf. of paints, emulsifiers, vitamins. Antipruritic agent

**Development Status:** Never marketed

**Melting Point:**  $Mp$  34-35°

**Boiling Point:**  $Bp_{0.02}$  180-181°

**Calculated Log P Data:** Log P 8.45 (uncertain value) (calc)

>>**Derivative:** Anhydride

**Synonym(s):** Linoleic anhydride

**CAS Registry Number:** 24909-68-0

**Molecular Formula:**  $C_{36}H_{62}O_3$

**Molecular Weight:** 542.884

**Accurate Mass:** 542.469895

**Percentage Composition:** C 79.65%; H 11.51%; O 8.84%

**Melting Point:**  $Mp$  -4°.  $Fp$  -18°

**Density:**  $d_4^{23}$  0.901

**Refractive Index:**  $n_D^{23}$  1.4760

**Aldrich:** 28649-4

**Sigma:** L4628

>>**Derivative:** 9,10-Epoxyde

>>**Derivative:** 12,13-Epoxyde

>>**Derivative:** Dimer

**Synonym(s):** Dilinoleic acid

**CAS Registry Number:** 6144-28-1

**Use/Importance:** Monomer for polyamides and polyesters. Cross-linking agent for polymers, e.g. epoxy resins

**Other Data:** Consists predominantly of monocyclic species together with some bicyclic and tricyclic species

#### References: