>>**Entry Name: 2-Tridecenoic acid**

CAS Registry Number: 6969-16-0
$H_3C(CH_2)_9CH=CHCOOH$

Molecular Formula: $C_{13}H_{24}O_2$
Molecular Weight: 212.331
Accurate Mass: 212.17763
Percentage Composition: C 73.54%; H 11.39%; O 15.07%

>>**Variant:** (*E*)-form

CAS Registry Number: 32466-55-0
Molecular Formula: $C_{13}H_{24}O_2$
Molecular Weight: 212.331
Accurate Mass: 212.17763
Percentage Composition: C 73.54%; H 11.39%; O 15.07%
Boiling Point: Bp_2 169-171°

>>**Derivative:** Me ester

CAS Registry Number: 37936-70-2
Molecular Formula: $C_{14}H_{26}O_2$
Molecular Weight: 226.358
Accurate Mass: 226.19328
Percentage Composition: C 74.29%; H 11.58%; O 14.14%
Hazard & Toxicity: Shows teratogenic effect on houseflies

>>**Derivative:** Chloride

Molecular Formula: $C_{13}H_{23}ClO$
Molecular Weight: 230.777
Accurate Mass: 230.143742
Percentage Composition: C 67.66%; H 10.05%; Cl 15.36%; O 6.93%
Boiling Point: Bp_3 131°

>>**Derivative:** Amide

Molecular Formula: $C_{13}H_{25}NO$
Molecular Weight: 211.347
Accurate Mass: 211.193614
Percentage Composition: C 73.88%; H 11.92%; N 6.63%; O 7.57%
Melting Point: Mp 116°

References:

Zaar, B., *CA*, 1930, **24**, 2108, *(synth, chloride, amide)*
Sayeed, Q.M., *Can. Entomol.*, 1972, **105**, 1505-1510, *(Me ester)*