>>**Entry Name: 2-Hexenoic acid,** 9CI
ENTRY UNDER REVIEW

CAS Registry Number: 1191-04-4
$H_3CCH_2CH_2CH=CHCOOH$

Molecular Formula: $C_6H_{10}O_2$
Molecular Weight: 114.144
Accurate Mass: 114.06808
Percentage Composition: C 63.14%; H 8.83%; O 28.03%

>>**Variant:** (*E*)-form
Synonym(s): FEMA 3169

CAS Registry Number: 13419-69-7

Molecular Formula: $C_6H_{10}O_2$
Molecular Weight: 114.144
Accurate Mass: 114.06808
Percentage Composition: C 63.14%; H 8.83%; O 28.03%
Biological Source: Constit. of root of *Arctium lappa*
Use/Importance: Used as flavouring for tea and reverted soybean oil. Used in hand lotions, etc.
Physical Description: Needles (H_2O, EtOH)
Melting Point: Mp 36-37°
Boiling Point: Bp 216-217°. Bp_8 100°
pKa Value: pK_{a1} 4.75 (25°)
Aldrich: 19308-9
Fluka: 53074

>>**Derivative:** Me ester
Synonym(s): FEMA 2709

CAS Registry Number: 2396-77-2

Molecular Formula: $C_7H_{12}O_2$
Molecular Weight: 128.171
Accurate Mass: 128.08373
Percentage Composition: C 65.60%; H 9.44%; O 24.97%
Biological Source: Present in *Carica* spp., peas and soursop (*Annona muricata*)
Use/Importance: Flavouring ingredient
Physical Description: Liq. with green-fruity flavour
Boiling Point: Bp 169°. Bp_{13} 56-58°

>>**Derivative:** 4-Bromophenacyl ester

Melting Point: Mp 62-62.5°

>>**Derivative:** Chloride

CAS Registry Number: 18802-95-4
Molecular Formula: C_6H_9ClO
Molecular Weight: 132.589
Accurate Mass: 132.034192
Percentage Composition: C 54.35%; H 6.84%; Cl 26.74%; O 12.07%
Boiling Point: Bp_{23} 70°

>>**Derivative:** Anilide

Molecular Formula: $C_{12}H_{15}NO$
Molecular Weight: 189.257
Accurate Mass: 189.115364
Percentage Composition: C 76.16%; H 7.99%; N 7.40%; O 8.45%
Physical Description: Needles
Melting Point: Mp 109-110°