>>**Entry Name: 4-Oxohexanoic acid,** 9CI
Synonym(s): Homolevulinic acid

CAS Registry Number: 1117-74-4
$H_3CCH_2COCH_2CH_2COOH$

Molecular Formula: $C_6H_{10}O_3$
Molecular Weight: 130.143
Accurate Mass: 130.062995
Percentage Composition: C 55.37%; H 7.74%; O 36.88%
Physical Description: Leaflets (Et_2O/petrol)
Melting Point: Mp 40°
Boiling Point: Bp_{16} 143-144°. $Bp_{0.4}$ 89°
Other Data: Hygroscopic

Rare Chemicals Library: S57409-0

>>**Derivative:** Phenylhydrazone

Melting Point: Mp 152°

>>**Derivative:** Semicarbazone
Physical Description: Prisms (EtOH)
Melting Point: Mp 186°

>>**Derivative:** Et ester

CAS Registry Number: 3249-33-0
Molecular Formula: $C_8H_{14}O_3$
Molecular Weight: 158.197
Accurate Mass: 158.094295
Percentage Composition: C 60.74%; H 8.92%; O 30.34%
Boiling Point: Bp_{14} 91°

>>**Derivative:** Et ester, semicarbazone

Physical Description: Needles (EtOAc/petrol)
Melting Point: Mp 142° (106°)

>>**Derivative:** Nitrile
Synonym(s): 1-Cyano-3-pentanone

CAS Registry Number: 14274-30-7
Molecular Formula: C_6H_9NO
Molecular Weight: 111.143
Accurate Mass: 111.068414
Percentage Composition: C 64.84%; H 8.16%; N 12.60%; O 14.40%
Physical Description: Oil
Boiling Point: $Bp_{0.5}$ 75-80°

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