>>**Entry Name: 2-Hexynoic acid,** 9CI
Synonym(s): 1-Pentyne-1-carboxylic acid

CAS Registry Number: 764-33-0
$H_3C(CH_2)_2C{\equiv}CCOOH$

Molecular Formula: $C_6H_8O_2$
Molecular Weight: 112.128
Accurate Mass: 112.05243
Percentage Composition: C 64.27%; H 7.19%; O 28.54%
Physical Description: Feathery cryst.
Melting Point: Mp 27°
Boiling Point: Bp_{16} 119-121°
Solubility: Spar. sol. H_2O
Other Data: Decarboxylates if dist. at atm. press.

>>**Derivative:** Me ester

CAS Registry Number: 18937-79-6
Molecular Formula: $C_7H_{10}O_2$
Molecular Weight: 126.155
Accurate Mass: 126.06808
Percentage Composition: C 66.65%; H 7.99%; O 25.36%
Physical Description: Liq.
Boiling Point: Bp_{23} 80-82°

>>**Derivative:** Et ester

CAS Registry Number: 16205-90-6
Molecular Formula: $C_8H_{12}O_2$
Molecular Weight: 140.182
Accurate Mass: 140.08373
Percentage Composition: C 68.55%; H 8.63%; O 22.83%
Boiling Point: Bp_{14} 87-88°

References:

Moreau, C. *et al.*, *Bull. Soc. Chim. Fr.*, 1903, **29**, 648
Org. Synth., 1976, **55**, 73, *(ester)*
Bestman, H.S. *et al.*, *Annalen*, 1977, 282, *(synth)*
Yamada, K. *et al.*, *Synthesis*, 1977, 679, *(ester)*

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