>>**Entry Name: 7-Methyloctanoic acid,** 9CI
Synonym(s): 7-Methylcaprylic acid. Isononanoic acid

CAS Registry Number: 693-19-6
Extra CAS Registry Numbers(s): 26896-18-4
$(H_3C)_2CH(CH_2)_5COOH$

Molecular Formula: $C_9H_{18}O_2$
Molecular Weight: 158.24
Accurate Mass: 158.13068
Percentage Composition: C 68.31%; H 11.46%; O 20.22%
Boiling Point: Bp 248°. Bp_2 132-134°
Solubility: V. spar. sol. H_2O

>>**Derivative:** Et ester

CAS Registry Number: 29490-61-7
Molecular Formula: $C_{11}H_{22}O_2$
Molecular Weight: 186.294
Accurate Mass: 186.16198
Percentage Composition: C 70.92%; H 11.90%; O 17.18%
Boiling Point: Bp 220.5°. Bp_{12} 102°

>>**Derivative:** Amide

Molecular Formula: $C_9H_{19}NO$
Molecular Weight: 157.255
Accurate Mass: 157.146664
Percentage Composition: C 68.74%; H 12.18%; N 8.91%; O 10.17%
Physical Description: Cryst.
Melting Point: Mp 106.5°

References:

Levene, P.A. *et al.*, *J. Biol. Chem.*, 1916, **27**, 433, *(synth)*
Cason, J.*, J.A.C.S.*, 1942, **64**, 1106, *(synth)*