>>**Entry Name: 1-Amino-2-propanone,** 9CI
Synonym(s): Aminoacetone

CAS Registry Number: 298-08-8

Molecular Formula: C_3H_7NO
Molecular Weight: 73.094
Accurate Mass: 73.052764
Percentage Composition: C 49.30%; H 9.65%; N 19.16%; O 21.89%
General Statement: Not isol. in free state
Biological Source: Prod. by microorganisms. Hydrol. prod. of Micrococcin P_1 CKH92-X
Use/Importance: Used in synth. of nitrogen heterocycles

>>**Derivative:** Hydrochloride

CAS Registry Number: 7737-17-9
Physical Description: Plates ($EtOH/Et_2O$)
Melting Point: Mp 75°. Mp 130.5°
Other Data: Very hygroscopic
Sigma: A9411

>>**Derivative:** Semicarbazone; hydrochloride

Melting Point: Mp 212°

>>**Derivative:** *N,N*-Di-Me
Synonym(s): 1-(Dimethylamino)-2-propanone, 9CI. Dimethylaminoacetone. Acetonyldimethylamine

CAS Registry Number: 15364-56-4
Molecular Formula: $C_5H_{11}NO$
Molecular Weight: 101.148
Accurate Mass: 101.084064
Percentage Composition: C 59.37%; H 10.96%; N 13.85%; O 15.82%
Physical Description: Liq.
Boiling Point: Bp 123°
Solubility: Sol. H_2O, EtOH, Et_2O
Aldrich: 10769-7
Fluka: 38970

>>**Derivative:** *N,N*-Di-Me, oxime

Molecular Formula: $C_5H_{12}N_2O$
Molecular Weight: 116.163
Accurate Mass: 116.094963
Percentage Composition: C 51.70%; H 10.41%; N 24.12%; O 13.77%
Melting Point: Mp 99°
Solubility: Sol. H_2O, EtOH, Et_2O

>>**Derivative:** *N,N*-Di-Et
Synonym(s): 1-(Diethylamino)-2-propanone, 9CI. Diethylaminoacetone

CAS Registry Number: 1620-14-0
Molecular Formula: $C_7H_{15}NO$
Molecular Weight: 129.202
Accurate Mass: 129.115364
Percentage Composition: C 65.07%; H 11.70%; N 10.84%; O 12.38%
Boiling Point: Bp 158-160°. Bp_{16} 55-58°
Aldrich: D8600-0

>>**Derivative:** *N,N*-Di-Et, hydrochloride

Physical Description: Cryst. ($EtOH/Et_2O$)
Melting Point: Mp 99-101° (sealed tube)