pKa Value: pK_{a1} 4.24

>>**Derivative:** *N*-Me, Me ester

CAS Registry Number: 10250-61-0
Molecular Formula: $C_7H_{10}N_2O_2$
Molecular Weight: 154.168
Accurate Mass: 154.074228
Percentage Composition: C 54.54%; H 6.54%; N 18.17%; O 20.76%
Physical Description: Cryst.
Melting Point: Mp 71.5-72.5°

>>**Derivative:** *N*-Me, Et ester

CAS Registry Number: 5744-51-4
Molecular Formula: $C_8H_{12}N_2O_2$
Molecular Weight: 168.195
Accurate Mass: 168.089878
Percentage Composition: C 57.13%; H 7.19%; N 16.66%; O 19.02%
Physical Description: Cryst. (Et_2O/ petrol)
Melting Point: Mp 40-42°
Rare Chemicals Library: S94036-4

>>**Derivative:** *N*-Me, amide

CAS Registry Number: 54384-74-6
Molecular Formula: $C_6H_9N_3O$
Molecular Weight: 139.157
Accurate Mass: 139.074562
Percentage Composition: C 51.79%; H 6.52%; N 30.20%; O 11.50%
Melting Point: Mp 177-178°

>>**Derivative:** *N*-Me, nitrile
Synonym(s): 3-Cyano-1,5-dimethylpyrazole

Molecular Formula: $C_6H_7N_3$
Molecular Weight: 121.141
Accurate Mass: 121.063997
Percentage Composition: C 59.49%; H 5.82%; N 34.69%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 68-69°

>>**Derivative:** *N*-Et
Synonym(s): 1-Ethyl-5-methyl-1*H*-pyrazole-3-carboxylic acid

CAS Registry Number: 50920-46-2
Molecular Formula: $C_7H_{10}N_2O_2$
Molecular Weight: 154.168
Accurate Mass: 154.074228
Percentage Composition: C 54.54%; H 6.54%; N 18.17%; O 20.76%
Physical Description: Cryst. (H_2O or C_6H_6)
Melting Point: Mp 136-137°

>>**Derivative:** *N*-Et, Et ester

CAS Registry Number: 50920-45-1
Molecular Formula: $C_9H_{14}N_2O_2$
Molecular Weight: 182.222
Accurate Mass: 182.105528
Percentage Composition: C 59.32%; H 7.74%; N 15.37%; O 17.56%
Physical Description: Liq.
Boiling Point: Bp_{12} 154°
Density: d_4^{2C}1.079

>>**Derivative:** *N*-Ph
Synonym(s): 5-Methyl-1-phenyl-1*H*-pyrazole-3-carboxylic acid, 9CI