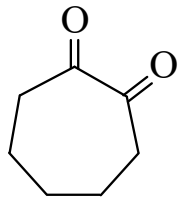
>>**Entry Name: 1,2-Cycloheptanedione**



CAS Registry Number: 3008-39-7

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_{17} 107-109°
Density: d_{22}^{22} 1.061
Refractive Index: n_D^{22} 1.4689

>>**Derivative:** Bis-2,4-dinitrophenylhydrazone

Physical Description: Red needles + C_6H_6 (C_6H_6)
Melting Point: Mp 213° (dried)

>>**Derivative:** Dioxime
Synonym(s): Heptoxime

CAS Registry Number: 530-97-2

Molecular Formula: $C_7H_{12}N_2O_2$
Molecular Weight: 156.184
Accurate Mass: 156.089878
Percentage Composition: C 53.83%; H 7.74%; N 17.94%; O 20.49%
Use/Importance: Used as a soln. in EtOH for gravimetric detn. of Ni, Bi, Pd
Physical Description: Cryst. (C_6H_6)
Melting Point: Mp 181-182°
pKa Value: pK_{a1} 10.7; pK_{a2} 12.3

References:

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