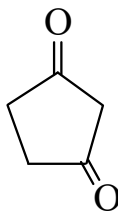




>>Entry Name: **1,3-Cyclopentanedione**, 9CI
Synonym(s): 3-Hydroxy-2-cyclopenten-1-one



CAS Registry Number: 3859-41-4

Molecular Formula: C₅H₆O₂
Molecular Weight: 98.101
Accurate Mass: 98.03678
Percentage Composition: C 61.22%; H 6.16%; O 32.62%
Physical Description: Cryst. (butanone)
Melting Point: Mp 151-152°
Other Data: Immediately turns yellow on melting

Aldrich: 17716-4
Fluka: 29730
Sigma: C7900

>>Variant: Enol-form

Molecular Formula: C₅H₆O₂
Molecular Weight: 98.101
Accurate Mass: 98.03678
Percentage Composition: C 61.22%; H 6.16%; O 32.62%

>>Derivative: Me ether
Synonym(s): 3-Methoxy-2-cyclopenten-1-one

CAS Registry Number: 4683-50-5
Molecular Formula: C₆H₈O₂
Molecular Weight: 112.128
Accurate Mass: 112.05243
Percentage Composition: C 64.27%; H 7.19%; O 28.54%
Melting Point: Mp 49-53°

>>Derivative: Et ether
Synonym(s): 3-Ethoxy-2-cyclopenten-1-one

CAS Registry Number: 22627-70-9
Molecular Formula: C₇H₁₀O₂
Molecular Weight: 126.155
Accurate Mass: 126.06808
Percentage Composition: C 66.65%; H 7.99%; O 25.36%
Boiling Point: Bp_{0.3} 60-63°
Density: d 1.06
Refractive Index: n_D²⁰ 1.5000

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