



CAS Registry Number: 695-19-2
Molecular Formula: C₆H₇NO
Molecular Weight: 109.127
Accurate Mass: 109.052764
Percentage Composition: C 66.04%; H 6.47%; N 12.84%; O 14.66%
Melting Point: Mp 94.5-96.5°
Boiling Point: Bp_{2.4} 188-192°

>>Derivative: *N*-Nitro

Molecular Formula: C₅H₄N₂O₃
Molecular Weight: 140.098
Accurate Mass: 140.022193
Percentage Composition: C 42.87%; H 2.88%; N 20.00%; O 34.26%
Physical Description: Solid
Other Data: Dec. at 130-131°

>>Derivative: *N*-Me; hydrochloride

Physical Description: Needles (2-propanol)
Melting Point: Mp 186-188°

>>Derivative: *N*-Me; hydroiodide

Melting Point: Mp 108-109°

>>Derivative: *N*-Et

CAS Registry Number: 39076-99-8
Molecular Formula: C₇H₉NO
Molecular Weight: 123.154
Accurate Mass: 123.068414
Percentage Composition: C 68.27%; H 7.37%; N 11.37%; O 12.99%
Melting Point: Mp 62-64°
Boiling Point: Bp_{0.8} 178°

>>Derivative: *N*-Ph

Synonym(s): 1-Phenyl-4(1*H*)-pyridinone, 9Cl. 1-Phenyl- γ -pyridone

CAS Registry Number: 39076-91-0
Molecular Formula: C₁₁H₉NO
Molecular Weight: 171.198
Accurate Mass: 171.068414
Percentage Composition: C 77.17%; H 5.30%; N 8.18%; O 9.35%
Physical Description: Cryst. (H₂O)
Melting Point: Mp 130-131°
Solubility: Spar. sol. Et₂O
Other Data: Sublimes

>>Derivative: *N*-Ph, methiodide

Melting Point: Mp 146°

>>Variant: *OH*-form

CAS Registry Number: 626-64-2
Molecular Formula: C₅H₅NO
Molecular Weight: 95.101
Accurate Mass: 95.037114
Percentage Composition: C 63.15%; H 5.30%; N 14.73%; O 16.82%
Aldrich: 12061-8
Fluka: 56398
Sigma: H2637