



CAS Registry Number: 13337-79-6
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%
Physical Description: Liq.
Boiling Point: Bp₇ 118-119°
Refractive Index: n_D²¹ 1.5502
Rare Chemicals Library: S68315-9

>>Derivative: *N*-Ph

Synonym(s): 1-Phenyl-2(1*H*)-pyridinone, 9Cl. 1-Phenyl- α -pyridone

CAS Registry Number: 13131-02-7
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. (EtOH or C₆H₆)
Melting Point: Mp 128°

>>Derivative: *N*-Fluoro

CAS Registry Number: 84694-62-2
Molecular Formula: C₅H₄FNO
Molecular Weight: 113.091
Accurate Mass: 113.027692
Percentage Composition: C 53.10%; H 3.56%; F 16.80%; N 12.39%; O 14.15%
Use/Importance: Selective fluorinating agent
Physical Description: Waxy solid by subl.
Melting Point: Mp 50-53°

>>Derivative: *N*-Amino

Synonym(s): 1-Amino-2(1*H*)-pyridinone, 9Cl. 1-Amino-2(1*H*)-pyridone

CAS Registry Number: 54931-11-2
Molecular Formula: C₅H₆N₂O
Molecular Weight: 110.115
Accurate Mass: 110.048013
Percentage Composition: C 54.54%; H 5.49%; N 25.44%; O 14.53%
Physical Description: Plates (H₂O)
Melting Point: Mp 64-66°. Mp 120°

>>Derivative: *N*-Amino; hydrochloride

CAS Registry Number: 62438-05-5
Physical Description: Needles (2-propanol)
Melting Point: Mp 175-177°

>>Derivative: *N*-Amino, *N*-Ac

CAS Registry Number: 66193-78-0
Molecular Formula: C₇H₈N₂O₂
Molecular Weight: 152.152
Accurate Mass: 152.058578
Percentage Composition: C 55.26%; H 5.30%; N 18.41%; O 21.03%
Physical Description: Cryst. (C₆H₆)
Melting Point: Mp 159-161°
Other Data: Softens at 126-130°

>>Variant: *OH*-form

CAS Registry Number: 72762-00-6
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%