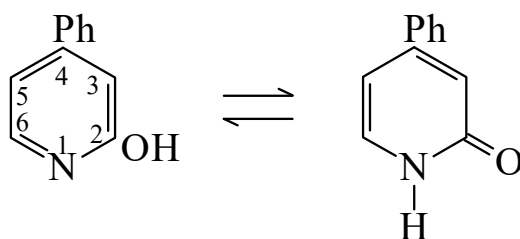




>>Entry Name: 2-Hydroxy-4-phenylpyridine

Synonym(s): 4-Phenyl-2(1*H*)-pyridinone



CAS Registry Number: 19006-81-6

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. (MeOH/C₆H₆)

Melting Point: Mp 233.5-234.5°

>>Variant: *NH*-form

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%

>>Derivative: *N*-Me

Synonym(s): 1-Methyl-4-phenyl-2(1*H*)-pyridinone, 9CI

CAS Registry Number: 67970-80-3

Molecular Formula: C₁₂H₁₁NO

Molecular Weight: 185.225

Accurate Mass: 185.084064

Percentage Composition: C 77.81%; H 5.99%; N 7.56%; O 8.64%

Melting Point: Mp 139-141°

>>Variant: *OH*-form

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%

>>Derivative: Me ether

Synonym(s): 2-Methoxy-4-phenylpyridine, 9CI

CAS Registry Number: 53698-46-7

Molecular Formula: C₁₂H₁₁NO

Molecular Weight: 185.225

Accurate Mass: 185.084064

Percentage Composition: C 77.81%; H 5.99%; N 7.56%; O 8.64%

Physical Description: Liq.

References:

- Thesing, J. *et al.*, *Chem. Ber.*, 1957, **90**, 711, (*synth*)
Powers, J.C. *et al.*, *J.A.C.S.*, 1968, **90**, 7102, (*synth, uv, ir*)
Lawrence, R. *et al.*, *J.C.S.(B)*, 1968, 1, (*ms*)
Gisby, G.P. *et al.*, *J.C.S. Perkin 1*, 1982, 169, (*N-Me*)
Yadla, R. *et al.*, *Tetrahedron*, 1989, **45**, 7093, (*Me ether*)