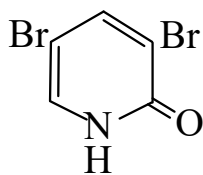




>>Entry Name: 3,5-Dibromo-2-hydroxypyridine

Synonym(s): 3,5-Dibromo-2(1*H*)-pyridinone, 9CI. 3,5-Dibromo-2(1*H*)-pyridone



CAS Registry Number: 13472-81-6

Related CAS Registry Numbers(s): 31965-19-2

Molecular Formula: C₅H₃Br₂NO

Molecular Weight: 252.893

Accurate Mass: 250.898136

Percentage Composition: C 23.75%; H 1.20%; Br 63.19%; N 5.54%; O 6.33%

Physical Description: Needles (H₂O, EtOH or C₆H₆)

Melting Point: Mp 207-209°

pKa Value: p*K*_{a1} 8.43; p*K*_{a2} -2.45 (20°)

Rare Chemicals Library: S37698-1

>>Derivative: Me ether

Synonym(s): 3,5-Dibromo-2-methoxypyridine, 9CI

CAS Registry Number: 13472-60-1

Molecular Formula: C₆H₅Br₂NO

Molecular Weight: 266.92

Accurate Mass: 264.913786

Percentage Composition: C 27.00%; H 1.89%; Br 59.87%; N 5.25%; O 5.99%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 48.5-49°

pKa Value: p*K*_a -1.5 (20°)

>>Derivative: *N*-Me

Synonym(s): 3,5-Dibromo-1-methyl-2(1*H*)-pyridinone, 9CI

CAS Registry Number: 14529-54-5

Molecular Formula: C₆H₅Br₂NO

Molecular Weight: 266.92

Accurate Mass: 264.913786

Percentage Composition: C 27.00%; H 1.89%; Br 59.87%; N 5.25%; O 5.99%

Melting Point: Mp 180° (176°)

References:

- Koenigs, W. *et al.*, *Ber.*, 1884, **17**, 589; 1832, (*synth*)
Spinner, E. *et al.*, *J.C.S.(B)*, 1966, 991; 996, (*synth, ir, uv*)
Tee, O.S. *et al.*, *J.A.C.S.*, 1982, **104**, 4142, (*synth, deriv*)
Shiro, M.J. *et al.*, *Heterocycles*, 1990, **31**, 819, (*ethers*)