>>**Entry Name: 2-Hydroxy-5-methylpyridine**
Synonym(s): 5-Methyl-2-pyridinol. 5-Methyl-2(1*H*)-pyridinone

CAS Registry Number: 1003-68-5

Molecular Formula: C_6H_7NO
Molecular Weight: 109.127
Accurate Mass: 109.052764
Percentage Composition: C 66.04%; H 6.47%; N 12.84%; O 14.66%
Physical Description: Cryst. (MeOH)
Melting Point: Mp 185-187°

>>**Variant:** *OH*-form

Molecular Formula: C_6H_7NO
Molecular Weight: 109.127
Accurate Mass: 109.052764
Percentage Composition: C 66.04%; H 6.47%; N 12.84%; O 14.66%

>>**Derivative:** Me ether
Synonym(s): 2-Methoxy-5-methylpyridine

CAS Registry Number: 13472-56-5
Molecular Formula: C_7H_9NO
Molecular Weight: 123.154
Accurate Mass: 123.068414
Percentage Composition: C 68.27%; H 7.37%; N 11.37%; O 12.99%
Boiling Point: Bp_{722} 163-165°
Other Data: Forms an extremely hygroscopic hydrochloride

>>**Variant:** *NH*-form

Molecular Formula: C_6H_7NO
Molecular Weight: 109.127
Accurate Mass: 109.052764
Percentage Composition: C 66.04%; H 6.47%; N 12.84%; O 14.66%

>>**Derivative:** *N*-Me

CAS Registry Number: 6456-93-5
Molecular Formula: C_7H_9NO
Molecular Weight: 123.154
Accurate Mass: 123.068414
Percentage Composition: C 68.27%; H 7.37%; N 11.37%; O 12.99%
Boiling Point: Bp_{29} 185-189°

>>**Derivative:** *N*-Ph
Synonym(s): 5-Methyl-1-phenyl-2(1*H*)-pyridinone, 9CI. **Pirfenidone,** INN, USAN

CAS Registry Number: 53179-13-8
Molecular Formula: $C_{12}H_{11}NO$
Molecular Weight: 185.225
Accurate Mass: 185.084064
Percentage Composition: C 77.81%; H 5.99%; N 7.56%; O 8.64%
Biological Use/Importance: Analgesic, antipyretic, antiflammatory agent
Melting Point: Mp 103-105°

References: