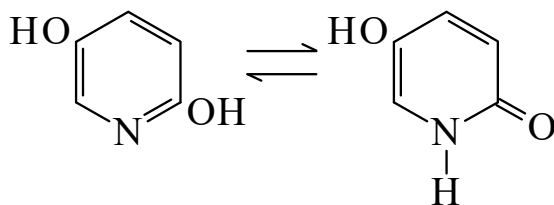




>>Entry Name: 2,5-Pyridinediol

Synonym(s): 5-Hydroxy-2(1*H*)-pyridinone, 9Cl. 2,5-Dihydroxypyridine



CAS Registry Number: 5154-01-8

Molecular Formula: C₅H₅NO₂

Molecular Weight: 111.1

Accurate Mass: 111.032029

Percentage Composition: C 54.05%; H 4.54%; N 12.61%; O 28.80%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 248° (250-260° dec.)

pKa Value: pK_{a1} 8.51 (20°)

>>Derivative: Hydrochloride

Melting Point: Mp 154°

>>Derivative: 5-Ac

CAS Registry Number: 71847-90-0

Molecular Formula: C₇H₇NO₃

Molecular Weight: 153.137

Accurate Mass: 153.042594

Percentage Composition: C 54.90%; H 4.61%; N 9.15%; O 31.34%

Physical Description: Solid

Melting Point: Mp 166-168° (156°)

>>Variant: *NH*-form

Molecular Formula: C₅H₅NO₂

Molecular Weight: 111.1

Accurate Mass: 111.032029

Percentage Composition: C 54.05%; H 4.54%; N 12.61%; O 28.80%

>>Derivative: *N*-Me

CAS Registry Number: 29094-75-5

Molecular Formula: C₆H₇NO₂

Molecular Weight: 125.127

Accurate Mass: 125.047679

Percentage Composition: C 57.59%; H 5.64%; N 11.19%; O 25.57%

Physical Description: Cryst. (C₆H₆/Et₂O)

Melting Point: Mp 150-153°

>>Variant: Diol-form

Molecular Formula: C₅H₅NO₂

Molecular Weight: 111.1

Accurate Mass: 111.032029

Percentage Composition: C 54.05%; H 4.54%; N 12.61%; O 28.80%

>>Derivative: Di-Et ether

Synonym(s): 2,5-Diethoxypyridine

Molecular Formula: C₉H₁₃NO₂

Molecular Weight: 167.207

Accurate Mass: 167.094629

Percentage Composition: C 64.65%; H 7.84%; N 8.38%; O 19.14%

Physical Description: Oil

Boiling Point: Bp 216-217°