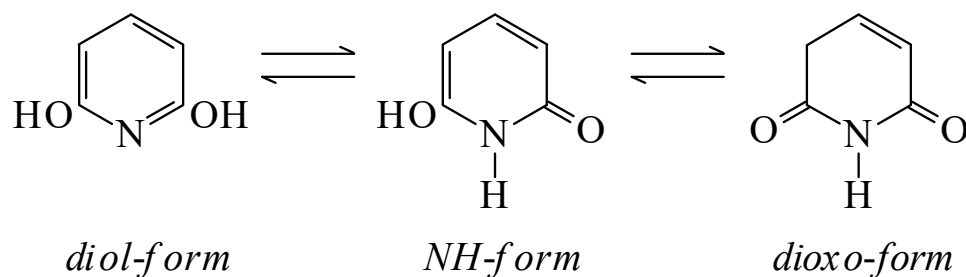




>>Entry Name: 2,6-Pyridinediol

Synonym(s): 6-Hydroxy-2(1*H*)-pyridinone, 9Cl. 2,6-Dihydroxypyridine. 1,3-Dihydro-2,6-pyridinedione. 2,6(1*H*,3*H*)-Pyridinedione, 9Cl. Glutaconimide



CAS Registry Number: 626-06-2

Related CAS Registry Numbers(s): 6004-34-8

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.

Melting Point: Mp 195°

pKa Value: p*K*_{a1} 1; p*K*_{a2} 4.52; p*K*_{a3} 15 (20°)

>>Derivative: Hydrochloride

CAS Registry Number: 10357-84-3

Physical Description: Hygroscopic needles or cryst. (HCl)

Melting Point: Mp 206-208° (dec.)

Aldrich: D12000-6

>>Derivative: Mono-Me ether

Synonym(s): 6-Methoxy-2(1*H*)-pyridinone, 9Cl. 2-Hydroxy-6-methoxypyridine

CAS Registry Number: 22385-36-0

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: Needles (C₆H₆/hexane)

Melting Point: Mp 101-103°

>>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: 6231-17-0

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. (EtOAc/petrol)

Melting Point: Mp 162-163°

>>Derivative: Me ether, *N*-Me

CAS Registry Number: 6231-16-9

Molecular Formula: C₇H₉NO₂

Molecular Weight: 139.154

Accurate Mass: 139.063329

Percentage Composition: C 60.42%; H 6.52%; N 10.07%; O 23.00%

Physical Description: Cryst. (EtOAc/petrol)

Melting Point: Mp 52-54°