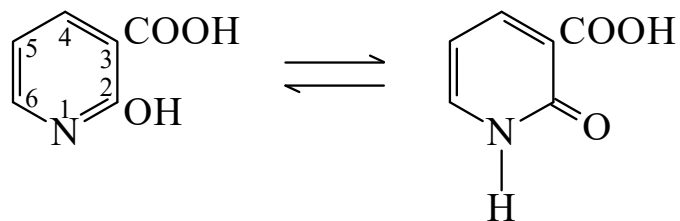




>>Entry Name: **2-Hydroxy-3-pyridinecarboxylic acid**

Synonym(s): 1,2-Dihydro-2-oxo-3-pyridinecarboxylic acid, 9Cl. 2(1*H*)-Pyridone-3-carboxylic acid. 2-Hydroxynicotinic acid



CAS Registry Number: 609-71-2

Molecular Formula: C₆H₅NO₃

Molecular Weight: 139.11

Accurate Mass: 139.026944

Percentage Composition: C 51.80%; H 3.62%; N 10.07%; O 34.50%

Physical Description: Needles (H₂O)

Melting Point: Mp 250-261 dec.°

Aldrich: 25105-4

Fluka: 55966

Sigma: H1014

>>Derivative: Me ester

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%

Melting Point: Mp 154-155°

>>Derivative: Et ester

Molecular Formula: C₈H₉NO₃

Molecular Weight: 167.164

Accurate Mass: 167.058244

Percentage Composition: C 57.48%; H 5.43%; N 8.38%; O 28.71%

Melting Point: Mp 139°

>>Derivative: Amide

Molecular Formula: C₆H₆N₂O₂

Molecular Weight: 138.126

Accurate Mass: 138.042928

Percentage Composition: C 52.17%; H 4.38%; N 20.28%; O 23.17%

Melting Point: Mp 272-273° (266-267°)

>>Variant: *NH*-form

Molecular Formula: C₆H₅NO₃

Molecular Weight: 139.11

Accurate Mass: 139.026944

Percentage Composition: C 51.80%; H 3.62%; N 10.07%; O 34.50%

>>Derivative: *N*-Me

CAS Registry Number: 15506-18-0

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: Needles (H₂O)

Melting Point: Mp 184-186°

>>Derivative: *N*-Me, nitrile