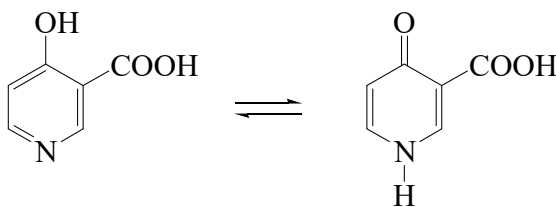




>>Entry Name: 4-Hydroxy-3-pyridinecarboxylic acid

Synonym(s): 1,4-Dihydro-4-oxo-3-pyridinecarboxylic acid. 4(1*H*)-Pyridone-3-carboxylic acid. 4-Hydroxynicotinic acid



CAS Registry Number: 609-70-1

Related CAS Registry Numbers(s): 10177-31-8

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°

>>Derivative: Me ester

CAS Registry Number: 67367-24-2

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 (hexane)

Melting Point: Mp 221-222°

>>Derivative: Et ester

CAS Registry Number: 57905-31-4

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%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 219-220°

>>Derivative: Amide

Synonym(s): 4-Hydroxynicotinamide

CAS Registry Number: 7418-63-5

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%

Biological Source: Isol. from ferns *Arachniodes festina* and *Arachniodes nigrospinosa*

Physical Description: Cryst. (H₂O)

Melting Point: Mp 276-278° (263-265°)

>>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: 1- α -D-Ribofuranosyl, amide

CAS Registry Number: 171284-19-8

Molecular Formula: C₁₁H₁₄N₂O₆

Molecular Weight: 270.241

Accurate Mass: 270.085188

Percentage Composition: C 48.89%; H 5.22%; N 10.37%; O 35.52%

Biological Source: Isol. from human urine