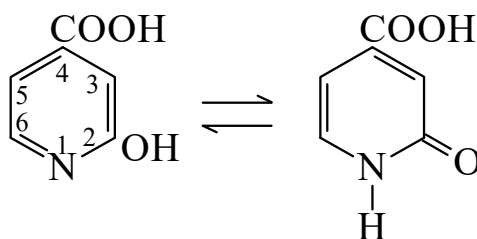




>>Entry Name: 2-Hydroxy-4-pyridinecarboxylic acid, 9CI

Synonym(s): 2(1*H*)-Pyridone-4-carboxylic acid. 2-Hydroxyisonicotinic acid. 2-Oxo-4(1*H*)-pyridinecarboxylic acid



CAS Registry Number: 22282-72-0

Molecular Formula: C<sub>6</sub>H<sub>5</sub>NO<sub>3</sub>

Molecular Weight: 139.11

Accurate Mass: 139.026944

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

Physical Description: Cryst. (AcOH or H<sub>2</sub>O)

Melting Point: Mp 330-332° (315-325°)

>>Derivative: Et ester

Molecular Formula: C<sub>8</sub>H<sub>9</sub>NO<sub>3</sub>

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. (H<sub>2</sub>O)

Melting Point: Mp 173-174°

>>Derivative: Nitrile

Synonym(s): 4-Cyano-2-hydroxypyridine

CAS Registry Number: 95891-29-5

Molecular Formula: C<sub>6</sub>H<sub>4</sub>N<sub>2</sub>O

Molecular Weight: 120.11

Accurate Mass: 120.032363

Percentage Composition: C 60.00%; H 3.36%; N 23.32%; O 13.32%

Physical Description: Beige powder (EtOH)

>>Derivative: Me ether, Me ester

CAS Registry Number: 26156-51-4

Molecular Formula: C<sub>8</sub>H<sub>9</sub>NO<sub>3</sub>

Molecular Weight: 167.164

Accurate Mass: 167.058244

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

Physical Description: Pale yellow oil

Boiling Point: Bp<sub>1</sub> 120°

#### References:

- Bäumler, E.S. *et al.*, *Helv. Chim. Acta*, 1951, **36**, 496, (*synth*)  
Bain, B.M. *et al.*, *J.C.S.*, 1961, 5216, (*synth*)  
Orpin, C.J. *et al.*, *Biochem. J.*, 1972, **127**, 833, (*synth, metab*)  
Adger, B.M. *et al.*, *J.C.S. Perkin I*, 1988, 2785, (*deriv, synth, ir, pmr*)  
Van der Puy, M. *et al.*, *Tet. Lett.*, 1988, **29**, 4389, (*synth, pmr*)  
Wang, L. *et al.*, *Annalen*, 1996, 1501, (*nitrile*)