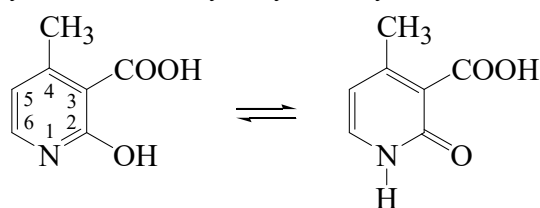




>>Entry Name: 2-Hydroxy-4-methyl-3-pyridinecarboxylic acid, 9CI

Synonym(s): 1,2-Dihydro-4-methyl-2-oxo-3-pyridinecarboxylic acid, 9CI. 2-Hydroxy-4-methylnicotinic acid. 4-Methyl-2(1H)-pyridone-3-carboxylic acid



CAS Registry Number: 38076-81-2

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: Cryst. (H₂O)

Melting Point: Mp 246-247°

>>Derivative: Nitrile

Synonym(s): 3-Cyano-2-hydroxy-4-methylpyridine. 3-Cyano-4-methyl-2(1H)-pyridinone

CAS Registry Number: 93271-59-1

Molecular Formula: C₇H₆N₂O

Molecular Weight: 134.137

Accurate Mass: 134.048013

Percentage Composition: C 62.68%; H 4.51%; N 20.88%; O 11.93%

Physical Description: Solid (EtOH)

Melting Point: Mp 236-238°

>>Variant: OH-form

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%

>>Derivative: Me ether, nitrile

Synonym(s): 3-Cyano-2-methoxy-4-methylpyridine

CAS Registry Number: 149379-71-5

Molecular Formula: C₈H₈N₂O

Molecular Weight: 148.164

Accurate Mass: 148.063663

Percentage Composition: C 64.85%; H 5.44%; N 18.91%; O 10.80%

Melting Point: Mp 95° (87-88°)

References:

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Smetskaya, N.I. *et al.*, *Khim. Geterotsikl. Soedin.*, 1984, 799-802; *Chem. Heterocycl. Compd. (Engl. Transl.)*, 1984, 650-653, (*nitrile*)

Victory, P. *et al.*, *Heterocycles*, 1993, **36**, 769-776, (*Me ether nitrile*)

Pelisson, M.M.M. *et al.*, *J. Het. Chem.*, 1999, **36**, 653-658, (*Me ether nitrile*)