



>>Entry Name: 6-Hydroxy-2-pyridinecarboxylic acid

Synonym(s): 6-Oxo-2(1*H*)-pyridinecarboxylic acid. 6-Hydroxypicolinic acid

CAS Registry Number: 19621-92-2

Related CAS Registry Numbers(s): 19837-41-3

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

Melting Point: Mp 281 dec.°

Aldrich: 38430-5

Other: Lonza

>>Derivative: Me ester

CAS Registry Number: 30062-34-1

Molecular Formula: C<sub>7</sub>H<sub>7</sub>NO<sub>3</sub>

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 (CHCl<sub>3</sub>/Et<sub>2</sub>O)

Melting Point: Mp 105°

>>Variant: *NH*-form

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%

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

CAS Registry Number: 20845-22-1

Molecular Formula: C<sub>8</sub>H<sub>11</sub>NO<sub>3</sub>

Molecular Weight: 169.18

Accurate Mass: 169.073894

Percentage Composition: C 56.80%; H 6.55%; N 8.28%; O 28.37%

Melting Point: Mp 55-56°

References:

- Stefan, I. *et al.*, *Helv. Chim. Acta*, 1961, **44**, 1429-1432, (*synth*)  
Rateb, L. *et al.*, *J.C.S.(C)*, 1968, 2140-2144, (*synth, ir, uv*)  
Kametani, T. *et al.*, *Tetrahedron*, 1970, **26**, 5753-5755, (*Me ester, synth, pmr*)  
Deady, L.W. *et al.*, *Aust. J. Chem.*, 1982, **35**, 2025-2034; 1985, **38**, 637-641, (*derivs, synth*)  
Konno, K. *et al.*, *Heterocycles*, 1986, **24**, 2169-2172, (*Me ester, synth*)  
Kiener, A. *et al.*, *J.C.S. Perkin I*, 1993, 1201-1202, (*microbiol synth*)  
Sawada, K. *et al.*, *Acta Cryst. C*, 1998, **54**, 1491-1493, (*cryst struct*)