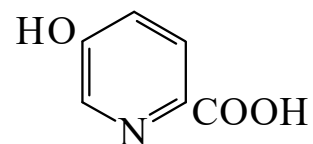




>>Entry Name: 5-Hydroxy-2-pyridinecarboxylic acid, 9CI

Synonym(s): 5-Hydroxypicolinic acid



CAS Registry Number: 15069-92-8

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%

Biological Source: Detected in culture filtrate of *Nocardia* sp. Isol. from marine macrophytes

Physical Description: Cryst. + 1H₂O (H₂O) or powder

Melting Point: Mp 269-271° (258°)

UV: [neutral] λ_{max} 250 (); 283 () (EtOH) (Berdy) [acid] λ_{max} 252 () (EtOH-HCl) (Berdy) [base] λ_{max} 273 (); 303 () (EtOH-NaOH) (Berdy)

References:

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Paulsen, H. *et al.*, *Chem. Ber.*, 1973, **106**, 1525, (*synth*)

Entsch, B. *et al.*, *J. Biol. Chem.*, 1976, **251**, 2550, (*biochem*)

Grachev, V.T. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1977, 2273, (*uv, ir*)

Lezina, V.P. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1980, 98; 1981, 2218, (*pmr*)

Oehlke, J. *et al.*, *Pharmazie*, 1983, **38**, 591; 624, (*synth, derivs, ms, uv, pmr*)