



>>Entry Name: 2-Chloro-5-hydroxy-3-methylpyridine

Synonym(s): 6-Chloro-5-methyl-3-pyridinol, 9Cl. 2-Chloro-5-hydroxy-3-picoline

CAS Registry Number: 54232-03-0

Molecular Formula: C<sub>6</sub>H<sub>6</sub>ClNO

Molecular Weight: 143.572

Accurate Mass: 143.013791

Percentage Composition: C 50.19%; H 4.21%; Cl 24.69%; N 9.76%; O 11.14%

Physical Description: Needles (C<sub>6</sub>H<sub>6</sub>/hexane)

Melting Point: Mp 131.5-132°

>>Derivative: O-Ac

CAS Registry Number: 54232-04-1

Molecular Formula: C<sub>8</sub>H<sub>8</sub>ClNO<sub>2</sub>

Molecular Weight: 185.609

Accurate Mass: 185.024356

Percentage Composition: C 51.77%; H 4.34%; Cl 19.10%; N 7.55%; O 17.24%

Physical Description: Cryst. (CCl<sub>4</sub>)

Melting Point: Mp 38-39°

>>Derivative: Me ether

Synonym(s): 2-Chloro-5-methoxy-3-methylpyridine, 9Cl

CAS Registry Number: 74650-70-7

Molecular Formula: C<sub>7</sub>H<sub>8</sub>ClNO

Molecular Weight: 157.599

Accurate Mass: 157.029441

Percentage Composition: C 53.35%; H 5.12%; Cl 22.50%; N 8.89%; O 10.15%

Physical Description: Oil

Boiling Point: Bp<sub>0.6</sub> 85°

References:

Němec, J. *et al.*, *J. Het. Chem.*, 1974, **11**, 569, (*synth, ir, pmr*)

Ponticillo, G.S. *et al.*, *J. Het. Chem.*, 1980, **17**, 445, (*synth*)