>>**Entry Name: 6-Chloro-3-pyridinemethanol**
Synonym(s): 2-Chloro-5-hydroxymethylpyridine

CAS Registry Number: 21543-49-7
Structure by analogy with 2-Chloro-3-pyridinemethanol, MBL62-D

Molecular Formula: C_6H_6ClNO
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%
Melting Point: Mp 53.8-54.2° (39-40°)
Boiling Point: $Bp_{0.4}$ 120°

>>**Derivative:** *N*-Oxide

Molecular Formula: $C_6H_6ClNO_2$
Molecular Weight: 159.572
Accurate Mass: 159.008706
Percentage Composition: C 45.16%; H 3.79%; Cl 22.22%; N 8.78%; O 20.05%
Physical Description: Solid
Melting Point: Mp 101.1-101.4°

>>**Derivative:** Methanesulfonyl

Molecular Formula: $C_7H_8ClNO_3S$
Molecular Weight: 221.664
Accurate Mass: 220.991341
Percentage Composition: C 37.93%; H 3.64%; Cl 15.99%; N 6.32%; O 21.65%; S 14.47%
Physical Description: Solid
Melting Point: Mp 75.6-75.9°

>>**Derivative:** Methanesulfonyl, *N*-oxide

Molecular Formula: $C_7H_8ClNO_4S$
Molecular Weight: 237.663
Accurate Mass: 236.986256
Percentage Composition: C 35.38%; H 3.39%; Cl 14.92%; N 5.89%; O 26.93%; S 13.49%
Physical Description: Oil

References:

Ziegler, F.E. *et al.*, *J.O.C.*, 1969, **34**, 3545, *(synth, ir, pmr)*
Lee, K.C. *et al.*, *J.O.C.*, 1999, **64**, 8576-8581, *(synth, pmr, cmr)*