



>>Entry Name: 6-Chloro-2-pyridinemethanol

Synonym(s): 2-Chloro-6-hydroxymethylpyridine

CAS Registry Number: 33674-97-4

Structure by analogy with 2-Chloro-3-pyridinemethanol, [MBL62-D](#)

Molecular Formula: C₆H₆ClNO

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: Oil

>>Derivative: Hydrochloride

CAS Registry Number: 83782-89-2

Melting Point: Mp 143-144°

>>Derivative: Methanesulfonyl

Molecular Formula: C₇H₈ClNO₃S

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: Oil

>>Derivative: Methanesulfonyl, *N*-oxide

Molecular Formula: C₇H₈ClNO₄S

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: Cryst. (EtOAc/hexane)

Melting Point: Mp 98.5-98.8°

References:

Hamana, M. *et al.*, *Yakugaku Zasshi*, 1961, **81**, 574; *CA*, **55**, 24743, (*synth*)

Iqbal, N. *et al.*, *J. Med. Chem.*, 1998, **41**, 1827-1837, (*synth*, *pmr*)

Lee, K.C. *et al.*, *J.O.C.*, 1999, **64**, 8576-8581, (*synth*, *pmr*, *cmr*)