



>>Entry Name: 4-Pyridinemethanethiol

Synonym(s): 4-(Thiomethyl)pyridine. 4-(Mercaptomethyl)pyridine

CAS Registry Number: 1822-53-3

Molecular Formula: C₆H₇NS

Molecular Weight: 125.194

Accurate Mass: 125.029919

Percentage Composition: C 57.56%; H 5.64%; N 11.19%; S 25.61%

Boiling Point: Bp_{0.8} 47°

>>Derivative: Hydrochloride

CAS Registry Number: 70199-58-5

Physical Description: Cryst. (MeOH/EtOAc)

Melting Point: Mp 154.5-155.5°

>>Derivative: Picrate

Physical Description: Cryst. (EtOH)

Melting Point: Mp 153-154°

>>Derivative: S-Me

Synonym(s): 4-[(Methylthio)methyl]pyridine

CAS Registry Number: 70199-64-3

Extra CAS Registry Numbers(s): 70199-65-4

Molecular Formula: C₇H₉NS

Molecular Weight: 139.221

Accurate Mass: 139.045569

Percentage Composition: C 60.39%; H 6.52%; N 10.06%; S 23.03%

Melting Point: Mp 144-146° (as hydrochloride)

References:

Fischer, A. *et al.*, *Can. J. Chem.*, 1978, **56**, 3072-3077, (*synth, pmr, ms*)

Brembilla, A. *et al.*, *J. Chim. Phys. Phys.-Chim. Biol.*, 1986, **83**, 577-588, (*synth, pmr*)