



>>Entry Name: 2-Mercapto-5-pyrimidinecarboxaldehyde

Synonym(s): 5-Formyl-2-mercaptopyrimidine

Molecular Formula: C₅H₄N₂OS

Molecular Weight: 140.165

Accurate Mass: 140.004433

Percentage Composition: C 42.85%; H 2.88%; N 19.99%; O 11.41%; S 22.88%

>>Derivative: S-Me

Synonym(s): 2-(Methylthio)-5-pyrimidinecarboxaldehyde

CAS Registry Number: 90905-31-0

Molecular Formula: C₆H₆N₂OS

Molecular Weight: 154.192

Accurate Mass: 154.020083

Percentage Composition: C 46.74%; H 3.92%; N 18.17%; O 10.38%; S 20.80%

Physical Description: Cryst. (cyclohexane)

Melting Point: Mp 84°

References:

Arukwe, J. *et al.*, *Acta Cryst. B*, 1986, **40**, 588, (*synth, ir, pmr, ms*)

Tanagi, K. *et al.*, *Heterocycles*, 1990, **31**, 1105, (*synth*)

Gupton, J.T. *et al.*, *J. Het. Chem.*, 1991, **28**, 1281, (*synth, pmr*)