



>>Entry Name: **2,6-Pyridinedithiol**

Synonym(s): 6-Mercapto-2(1*H*)-pyridinethione. 2,6-Dimercaptopyridine

CAS Registry Number: 23941-53-9

Molecular Formula: C₅H₅NS₂

Molecular Weight: 143.233

Accurate Mass: 142.986339

Percentage Composition: C 41.93%; H 3.52%; N 9.78%; S 44.77%

Physical Description: Yellow cryst. (Me₂CO)

Melting Point: Mp 136-139° (148-152°)

>>Derivative: *S,S'*-Di-Me

Synonym(s): 2,6-Bis(methylthio)pyridine

CAS Registry Number: 58819-71-9

Molecular Formula: C₇H₉NS₂

Molecular Weight: 171.287

Accurate Mass: 171.017639

Percentage Composition: C 49.09%; H 5.30%; N 8.18%; S 37.44%

Physical Description: Oil

>>Derivative: *S,S'*-Di-Me, *S,S,S',S'*-tetraoxide

Synonym(s): 2,6-Bis(methylsulfonyl)pyridine

CAS Registry Number: 85330-83-2

Molecular Formula: C₇H₉NO₄S₂

Molecular Weight: 235.284

Accurate Mass: 234.997299

Percentage Composition: C 35.73%; H 3.86%; N 5.95%; O 27.20%; S 27.26%

Melting Point: Mp 197-198°

References:

U.S. Pat., 1964, 3 146 237; *CA*, **61**, 10661c, (*synth*)

Vögtle, F. *et al.*, *Chem. Ber.*, 1969, **102**, 3071, (*synth*)

Bottino, F. *et al.*, *J. Het. Chem.*, 1981, **18**, 199, (*synth*)

Woods, S.G. *et al.*, *J. Het. Chem.*, 1984, **21**, 97, (*derivs*)

Testaferri, L. *et al.*, *Tetrahedron*, 1985, **41**, 1373, (*deriv*)