



>>Entry Name: 5-Nitrobenzo[*b*]thiophene

CAS Registry Number: 4965-26-8

Molecular Formula: C₈H₅NO₂S

Molecular Weight: 179.199

Accurate Mass: 179.004099

Percentage Composition: C 53.62%; H 2.81%; N 7.82%; O 17.86%; S 17.89%

Physical Description: Needles (AcOH aq.)

Melting Point: Mp 149-150°

References:

Fieser, L.F. *et al.*, *J.A.C.S.*, 1935, **57**, 1611, (*synth*)

Bordwell, F.G. *et al.*, *J.A.C.S.*, 1948, **20**, 1955, (*synth*)

Boswell, D.E. *et al.*, *J. Het. Chem.*, 1968, **5**, 69, (*synth, ir*)

Armstrong, K.J. *et al.*, *J.C.S.(C)*, 1969, 1766, (*pmr*)

Zambias, R.A. *et al.*, *Synth. Commun.*, 1991, **21**, 959, (*synth, pmr*)