



>>Entry Name: 3-Methylbenzo[*b*]thiophene, 9CI

Synonym(s): 3-Methylthianaphthene

CAS Registry Number: 1455-18-1

Molecular Formula: C₉H₈S

Molecular Weight: 148.228

Accurate Mass: 148.03467

Percentage Composition: C 72.93%; H 5.44%; S 21.63%

Physical Description: Oil

Boiling Point: Bp₂₅ 125-127°. Bp₁₂ 108-109°

>>Derivative: Picrate

Melting Point: Mp 119-120°

References:

Krollpfeiffer, F., *Annalen*, 1949, **563**, 15

Werner, E.G.G., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1949, **68**, 509

Gaertner, R., *J.A.C.S.*, 1952, **74**, 2185

Porter, G.N., *Aust. J. Chem.*, 1967, **20**, 103, (*ms*)

Platzer, N. *et al.*, *Bull. Soc. Chim. Fr.*, 1974, 905

Buchwald, S.L. *et al.*, *J.O.C.*, 1989, **54**, 2793, (*synth, pmr, cmr, ir*)