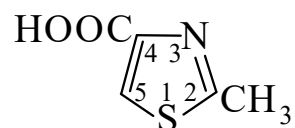




>>Entry Name: 2-Methyl-4-thiazolecarboxylic acid, 9CI



CAS Registry Number: 35272-15-2

Molecular Formula: C₅H₅NO₂S

Molecular Weight: 143.166

Accurate Mass: 143.004099

Percentage Composition: C 41.95%; H 3.52%; N 9.78%; O 22.35%; S 22.40%

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 143-145°

>>Derivative: Et ester

CAS Registry Number: 6436-59-5

Molecular Formula: C₇H₉NO₂S

Molecular Weight: 171.22

Accurate Mass: 171.035399

Percentage Composition: C 49.10%; H 5.30%; N 8.18%; O 18.69%; S 18.73%

Physical Description: Elongated plates

Melting Point: Mp 64-65° (57-57.5°)

References:

Ganapathi, K. *et al.*, *CA*, 1946, **40**, 4059, (*deriv*)

Jones, E.R.H. *et al.*, *J.C.S.*, 1946, 87, (*synth*)

Evans, D.L. *et al.*, *J.O.C.*, 1979, **44**, 497, (*deriv*)

Kim, D.S. *et al.*, *J. Het. Chem.*, 1995, **32**, 937, (*synth, pmr, cmr, ester*)