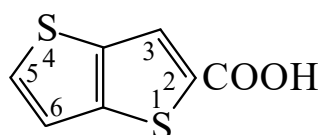




>>Entry Name: Thieno[3,2-*b*]thiophene-2-carboxylic acid, 9CI



CAS Registry Number: 1723-27-9

Molecular Formula: C₇H₄O₂S₂

Molecular Weight: 184.239

Accurate Mass: 183.96527

Percentage Composition: C 45.63%; H 2.19%; O 17.37%; S 34.81%

Physical Description: Cryst. (CHCl₃)

Melting Point: Mp 220-220.5°

Rare Chemicals Library: S12629-2

>>Derivative: Me ester

CAS Registry Number: 98800-10-3

Molecular Formula: C₈H₆O₂S₂

Molecular Weight: 198.266

Accurate Mass: 197.98092

Percentage Composition: C 48.46%; H 3.05%; O 16.14%; S 32.35%

Physical Description: Cryst.

Melting Point: Mp 96-97°

>>Derivative: Et ester

CAS Registry Number: 201004-08-2

Molecular Formula: C₉H₈O₂S₂

Molecular Weight: 212.293

Accurate Mass: 211.99657

Percentage Composition: C 50.92%; H 3.80%; O 15.07%; S 30.21%

Physical Description: Liq.

Boiling Point: Bp_{0.1} 120-125°

References:

- Challenger, F. *et al.*, *J.C.S.*, 1940, 305-309, (*synth*)
Goldfarb, Y.L. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1965, 510; *CA*, **63**, 592h, (*synth*)
Bugge, A., *Acta Chem. Scand.*, 1968, **22**, 63-69, (*synth*, *pmr*)
Litvinov, V.P. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1968, 1828; *CA*, **70**, 19958k, (*synth*)
Rutherford, D.R. *et al.*, *Macromolecules*, 1992, **25**, 2294-2306, (*synth*, *Me ester*, *pmr*)
Fuller, L.S. *et al.*, *J.C.S. Perkin 1*, 1997, 3465-3470, (*synth*, *ir*, *pmr*, *ms*)