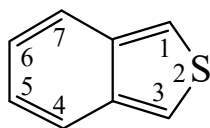




>>Entry Name: Benzo[c]thiophene, 9CI

ENTRY UNDER REVIEW

Synonym(s): Isothianaphthene. 2-Thiaindene. Isobenzothiophene



CAS Registry Number: 270-82-6

Extra CAS Registry Numbers(s): 11095-43-5

Molecular Formula: C₈H₆S

Molecular Weight: 134.201

Accurate Mass: 134.01902

Percentage Composition: C 71.60%; H 4.51%; S 23.89%

Use/Importance: Forms an elec. conducting polymer

Physical Description: Unstable solid

Melting Point: Mp 54-57° (50-51°)

References:

Mayer, R. *et al.*, *Angew. Chem., Int. Ed.*, 1962, **1**, 115, (*synth*)

Cava, M.P. *et al.*, *J.O.C.*, 1971, **36**, 3932-3937, (*synth*)

Iddon, B., *Adv. Heterocycl. Chem.*, 1972, **14**, 331, (*rev*)

Kreher, R.P. *et al.*, *Chem. Ber.*, 1991, **124**, 645-654, (*synth, ir, uv, pmr, cmr, ms, bibl*)

Boncali, J., *Chem. Rev.*, 1997, **97**, 173-205, (*rev*)