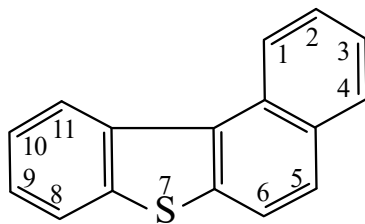




>>Entry Name: Benzo[*b*]naphtho[1,2-*d*]thiophene

Synonym(s): 3,4-Benzo-9-thiafluorene. Naphtho[2,1-*b*]thianaphthene. 7-Thiabenzoc[*c*]fluorene



CAS Registry Number: 205-43-6

Extra CAS Registry Numbers(s): 61523-34-0

Molecular Formula: C₁₆H₁₀S

Molecular Weight: 234.321

Accurate Mass: 234.05032

Percentage Composition: C 82.01%; H 4.30%; S 13.68%

Physical Description: Cryst.

Melting Point: Mp 103-104°

>>Derivative: S,S-Dioxide

CAS Registry Number: 20841-53-6

Molecular Formula: C₁₆H₁₀O₂S

Molecular Weight: 266.32

Accurate Mass: 266.04015

Percentage Composition: C 72.16%; H 3.78%; O 12.02%; S 12.04%

Physical Description: Yellow cryst. (Me₄CO)

Melting Point: Mp 228-230°

References:

Campaigne, E. *et al.*, *J. Het. Chem.*, 1968, **5**, 655, (*synth, uv*)

Tominaga, Y. *et al.*, *J. Het. Chem.*, 1981, **18**, 967, (*synth*)

Klemm, L.H. *et al.*, *J. Het. Chem.*, 1984, **21**, 1293, (*synth, dioxide*)