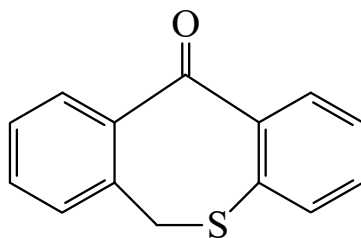




>>Entry Name: **Dibenzo[*b,e*]thiepin-11(6*H*)-one**, 9CI

Synonym(s): 6,11-Dihydrodibenzo[*b,e*]thiepin-11-one. Homothioxanthone



CAS Registry Number: 1531-77-7

Molecular Formula: C₁₄H₁₀OS

Molecular Weight: 226.298

Accurate Mass: 226.045235

Percentage Composition: C 74.31%; H 4.45%; O 7.07%; S 14.17%

Use/Importance: Intermediate in synth. of tranquillisers, antidepressants, antiemetics and antihistamines

Physical Description: Cryst. (EtOH or Et₂O/petrol)

Melting Point: Mp 86-88°

Boiling Point: Bp₁ 175-180°

References:

Stach, K. *et al.*, *Angew. Chem.*, 1962, **74**, 31; 752

Stach, K. *et al.*, *Monatsh. Chem.*, 1962, **93**, 889, (*synth, uv, ir, pmr*)

Volanschi, E. *et al.*, *Rev. Roum. Chim.*, 1974, **19**, 755; *CA*, **81**, 62865s, (*epr*)

Sindelar, K. *et al.*, *Coll. Czech. Chem. Comm.*, 1983, **48**, 1898, (*pharmacol*)

Dolivka, Z. *et al.*, *Coll. Czech. Chem. Comm.*, 1985, **50**, 1078; 1987, **52**, 1566, (*use*)

Wyatt, D.K. *et al.*, *Appl. Spectrosc.*, 1986, **40**, 369, (*cmr*)