



>>Entry Name: 4,4'-Biphenyldithiol

Synonym(s): 4,4'-Dimercaptobiphenyl

CAS Registry Number: 6954-27-4

Molecular Formula: $C_{12}H_{10}S_2$

Molecular Weight: 218.343

Accurate Mass: 218.02239

Percentage Composition: C 66.01%; H 4.62%; S 29.37%

Physical Description: Cryst. by subl.

Melting Point: Mp 180-181°

>>Derivative: Di-Me ether

Synonym(s): 4,4'-Bis(methylthio)biphenyl

CAS Registry Number: 10075-90-8

Molecular Formula: $C_{14}H_{14}S_2$

Molecular Weight: 246.397

Accurate Mass: 246.05369

Percentage Composition: C 68.25%; H 5.73%; S 26.03%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 185-186°

References:

Adams, R. *et al.*, *J.A.C.S.*, 1959, **81**, 4929; 4939, (*synth*)

Zweig, A. *et al.*, *J.O.C.*, 1967, **32**, 1322, (*synth*)

Ratajczak-Sitarz, M. *et al.*, *Acta Cryst. C*, 1987, **43**, 2389, (*cryst struct*)