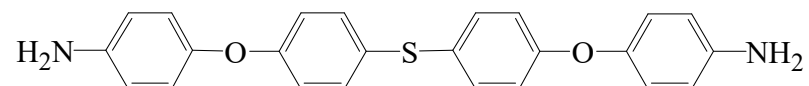




>>Entry Name: 4,4'-[Thiobis(4,1-phenyleneoxy)]bisbenzenamine, 9CI

Synonym(s): Bis[4-(4-aminophenoxy)phenyl] sulfide



CAS Registry Number: 47636-23-7

Molecular Formula: C₂₄H₂₀N₂O₂S

Molecular Weight: 400.5

Accurate Mass: 400.124548

Percentage Composition: C 71.98%; H 5.03%; N 6.99%; O 7.99%; S 8.01%

>>Derivative: S,S-Dioxide

Synonym(s): 4,4'-Bis(4-aminophenoxy)diphenyl sulfone

CAS Registry Number: 13080-89-2

Molecular Formula: C₂₄H₂₀N₂O₄S

Molecular Weight: 432.499

Accurate Mass: 432.114378

Percentage Composition: C 66.65%; H 4.66%; N 6.48%; O 14.80%; S 7.41%

Use/Importance: Monomer for polyimides; cross-linking agent for epoxy resins

Physical Description: Cryst. (EtOH or dioxan/EtOH aq.)

Melting Point: Mp 193-194° (190-192°)

References:

Schramm, J. *et al.*, *Annalen*, 1970, **740**, 169-179, (*dioxide, synth*)

Kawakami, J.H. *et al.*, *J. Polym. Sci., Polym. Chem. Ed.*, 1972, **22**, 565-573; 575-584, (*synth, polym*)

Bocelli, G. *et al.*, *Acta Cryst. C*, 1990, **46**, 2259-2260, (*dioxide, synth*)

Zhang, L. *et al.*, *Polym. Int.*, 1996, **39**, 289-293, (*dioxide, synth, use*)