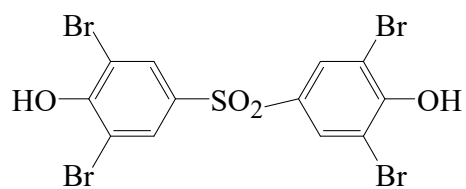




>>Entry Name: 3,3',5,5'-Tetrabromo-4,4'-dihydroxydiphenyl sulfone

Synonym(s): 4,4'-Sulfonylbis[2,6-dibromophenol], 9CI



CAS Registry Number: 39635-79-5

Extra CAS Registry Numbers(s): 66308-38-1

Molecular Formula: C₁₂H₆Br₄O₄S

Molecular Weight: 565.859

Accurate Mass: 561.752024

Percentage Composition: C 25.47%; H 1.07%; Br 56.48%; O 11.31%; S 5.67%

Use/Importance: Reactive flame retardant, useful in polycarbonates and epoxy resins

Physical Description: Cryst. (*o*-xylene/heptane)

Melting Point: Mp 290-292°

References:

Davidson, T.E. *et al.*, *J. Appl. Polym. Sci.*, 1980, **25**, 1491-1504, (*purifn, props*)

Liaw, D.L. *et al.*, *Angew. Makromol. Chem.*, 1992, **199**, 171-190, (*synth, polym, props*)

Liaw, D.L. *et al.*, *J. Appl. Polym. Sci.*, 1997, **63**, 195-204, (*synth, polym, props*)