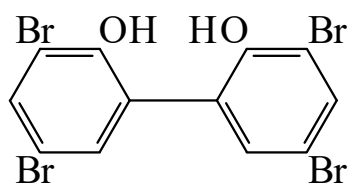




>>Entry Name: 3,3',5,5'-Tetrabromo[1,1'-biphenyl]-2,2'-diol, 9Cl

Synonym(s): 3,3',5,5'-Tetrabromo-2,2'-dihydroxybiphenyl



CAS Registry Number: 21987-62-2

Related CAS Registry Numbers(s): 14957-65-4 23015-40-9 63990-95-4

Molecular Formula: C₁₂H₆Br₄O₂

Molecular Weight: 501.794

Accurate Mass: 497.790124

Percentage Composition: C 28.72%; H 1.21%; Br 63.69%; O 6.38%

Physical Description: Cryst. (CHCl₃)

Melting Point: Mp 205-207°

Hazard & Toxicity: Exp. fetotoxic and teratogenic effects

Rare Chemicals Library: S84275-3

>>Derivative: Dihydrogen phosphate

Synonym(s): Bromofenofos, INN. 3,3',5,5'-Tetrabromo[1,1'-biphenyl]-2,2'-diol mono(dihydrogen phosphate), 9Cl. Bromfenofos. Acedist. Ph 1882

CAS Registry Number: 21466-07-9

Molecular Formula: C₁₂H₇Br₄O₅P

Molecular Weight: 581.774

Accurate Mass: 577.756456

Percentage Composition: C 24.77%; H 1.21%; Br 54.94%; O 13.75%; P 5.32%

Use/Importance: Fasciolicide

Melting Point: Mp 350 dec.°

Hazard & Toxicity: Exp. reprod. and teratogenic effects

References:

van der Meer, S. *et al.*, *J. Med. Chem.*, 1969, **12**, 534, (*synth, deriv, pharmacol*)

Perold, G.W., *J. S. Afr. Chem. Inst.*, 1975, **28**, 300, (*synth, pmr*)

Yoshimura, H., *Arch. Toxicol.*, 1987, **60**, 319; 325, (*tox*)

Endoh, Y.S. *et al.*, *J. Chromatogr.*, 1988, **426**, 202, (*hplc*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, BNV500; DAZ110