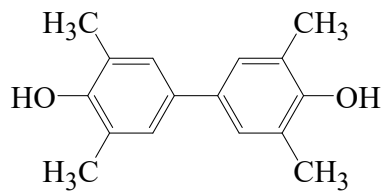




>>Entry Name: 4,4'-Dihydroxy-3,3',5,5'-tetramethylbiphenyl

Synonym(s): 3,3',5,5'-Tetramethyl[1,1'-biphenyl]-4,4'-diol, 9CI



CAS Registry Number: 2417-04-1

Molecular Formula: $C_{16}H_{18}O_2$

Molecular Weight: 242.317

Accurate Mass: 242.13068

Percentage Composition: C 79.31%; H 7.49%; O 13.21%

Biological Use/Importance: Shows contraceptive props.

Physical Description: Needles (AcOH)

Melting Point: Mp 221°

>>Derivative: Di-Ac

Molecular Formula: $C_{20}H_{22}O_4$

Molecular Weight: 326.391

Accurate Mass: 326.15181

Percentage Composition: C 73.60%; H 6.79%; O 19.61%

Physical Description: Needles (AcOH)

Melting Point: Mp 174-175°

References:

Cosgrove, S.L. *et al.*, *J.C.S.*, 1949, 3189-3194; 1951, 388-391; 1726-1730, (*synth*, *di-Ac*)

Weyland, H.C. *et al.*, *Eur. Polym. J.*, 1970, **6**, 1339-1346, (*synth*)

Pandey, G. *et al.*, *Tet. Lett.*, 1990, **31**, 3771-3774, (*synth*)