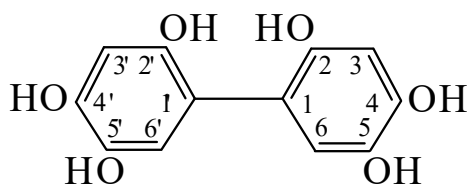




>>Entry Name: 2,2',4,4',5,5'-Biphenylhexol

Synonym(s): 2,2',4,4',5,5'-Hexahydroxybiphenyl



CAS Registry Number: 76625-61-1

Molecular Formula: C₁₂H₁₀O₆

Molecular Weight: 250.207

Accurate Mass: 250.04774

Percentage Composition: C 57.61%; H 4.03%; O 38.37%

Biological Source: Constit. of the sponge *Axinella polycapella*

Use/Importance: Antimicrobial agent

Physical Description: Light-blue-grey solid

Melting Point: Mp 277-280°

>>Derivative: Hexa-Ac

Molecular Formula: C₂₄H₂₂O₁₂

Molecular Weight: 502.431

Accurate Mass: 502.11113

Percentage Composition: C 57.37%; H 4.41%; O 38.21%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 172-174°

>>Derivative: Hexa-Me ether

Synonym(s): 2,2',4,4',5,5'-Hexamethoxybiphenyl

CAS Registry Number: 1702-67-6

Molecular Formula: C₁₈H₂₂O₆

Molecular Weight: 334.368

Accurate Mass: 334.14164

Percentage Composition: C 64.66%; H 6.63%; O 28.71%

Physical Description: Needles (AcOH)

Melting Point: Mp 180°

References:

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Meerwein, H. *et al.*, *J. Prakt. Chem.*, 1940, **154**, 266

Forrest, J. *et al.*, *J. Pharm. Pharmacol.*, 1952, **4**, 231

Wratten, S.J. *et al.*, *Experientia*, 1981, **37**, 13, (*isol, synth*)