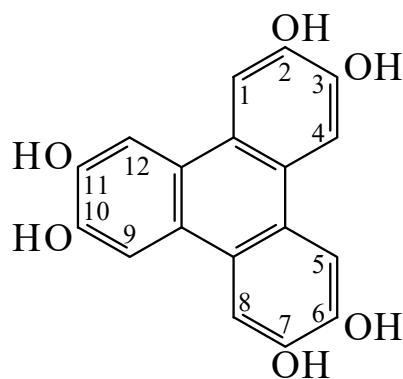




>>Entry Name: 2,3,6,7,10,11-Triphenylenehexol

Synonym(s): 2,3,6,7,10,11-Hexahydroxytriphenylene



CAS Registry Number: 4877-80-9

Molecular Formula: C₁₈H₁₂O₆

Molecular Weight: 324.289

Accurate Mass: 324.06339

Percentage Composition: C 66.67%; H 3.73%; O 29.60%

Use/Importance: Key intermed. in the synth. of discotic liquid crystal materials

Physical Description: Solid (H₂O)

Melting Point: Mp 310°

>>Derivative: Hexa-Ac

CAS Registry Number: 32829-08-6

Molecular Formula: C₃₀H₂₄O₁₂

Molecular Weight: 576.512

Accurate Mass: 576.12678

Percentage Composition: C 62.50%; H 4.20%; O 33.30%

Physical Description: Needles (MeNO₂/EtOH)

Melting Point: Mp 296-297 dec.°

>>Derivative: Hexa-Me ether

Synonym(s): 2,3,6,7,10,11-Hexamethoxytriphenylene

CAS Registry Number: 808-57-1

Molecular Formula: C₂₄H₂₄O₆

Molecular Weight: 408.45

Accurate Mass: 408.15729

Percentage Composition: C 70.58%; H 5.92%; O 23.50%

Physical Description: Cryst. (CHCl₃/EtOH)

Melting Point: Mp 317.5-318.5°

Aldrich: 37202-1

References:

Musgrave, O.C. *et al.*, *J.C.S.(C)*, 1971, 1397, (*synth, deriv, uv, ir, ms*)

Chiang, L.Y. *et al.*, *Chem. Comm.*, 1985, 695, (*deriv, use*)

Beattie, D.R. *et al.*, *J. Mater. Chem.*, 1992, **2**, 1261, (*synth, hexa-Me ether, ir, pmr, ms*)

Naarmann, H. *et al.*, *Synthesis*, 1994, 477, (*synth, deriv*)

Krebs, F.C. *et al.*, *Synthesis*, 1997, 1285-1290, (*synth, hexa-Me ether*)