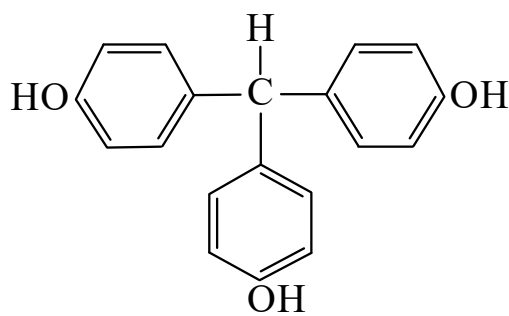




>>Entry Name: 4,4',4''-Trihydroxytriphenylmethane

Synonym(s): 4,4',4''-Methylidynetriphenol, 9Cl, 8Cl. Tris(4-hydroxyphenyl)methane. Leucoaurin



CAS Registry Number: 603-44-1

Molecular Formula: $C_{19}H_{16}O_3$

Molecular Weight: 292.334

Accurate Mass: 292.109945

Percentage Composition: C 78.06%; H 5.52%; O 16.42%

Physical Description: Prisms (AcOH)

Melting Point: Mp 240°

>>Derivative: Tri-Ac

Molecular Formula: $C_{25}H_{22}O_6$

Molecular Weight: 418.445

Accurate Mass: 418.14164

Percentage Composition: C 71.76%; H 5.30%; O 22.94%

Melting Point: Mp 138-139°

>>Derivative: Tri-Me ether

CAS Registry Number: 7511-68-4

Molecular Formula: $C_{22}H_{22}O_3$

Molecular Weight: 334.414

Accurate Mass: 334.156895

Percentage Composition: C 79.02%; H 6.63%; O 14.35%

Physical Description: Needles (EtOH)

Melting Point: Mp 45-47°

References:

Driver, J.E. *et al.*, *J.C.S.*, 1954, 958, (*synth*)

Vartanyan, A.T., *Zh. Fiz. Khim.*, 1961, **35**, 2241, (*uv, ir*)