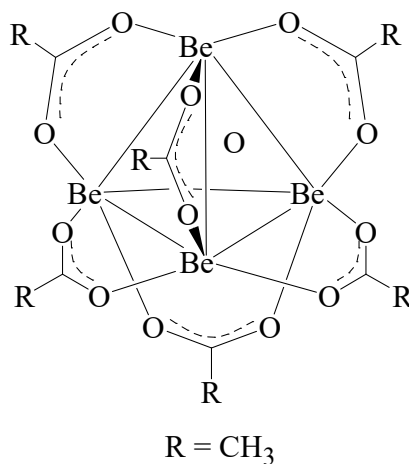




>>Entry Name: Hexakis[μ-(acetato-*O:O'*)]-μ₄-oxotetraberyllium, 8Cl

Synonym(s): Basic beryllium acetate. Tetraberyllium hexaacetate oxide. Oxo-hexakis(acetato)tetraberyllium



CAS Registry Number: 19049-40-2

Molecular Formula: C₁₂H₁₈Be₄O₁₃

Molecular Weight: 406.315

Accurate Mass: 406.123473

Percentage Composition: C 35.47%; H 4.47%; Be 8.87%; O 51.19%

Source/Synthesis: Prepd. by reaction of BeO with Ac₂O at 140° or by reaction of basic beryllium carbonate with AcOH

Physical Description: Colourless cubic cryst (CHCl₃). Undergoes cubic to orthorhombic transition at 148°

Melting Point: Mp 284°

Boiling Point: Bp 331°

Solubility: Sol. CHCl₃, AcOH; spar. sol. EtOH, Et₂O

Other Data: Δ*H*_f^o -5182 kJ mol⁻¹

Hazard & Toxicity: Highly toxic, suspected carcinogen

References:

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