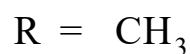
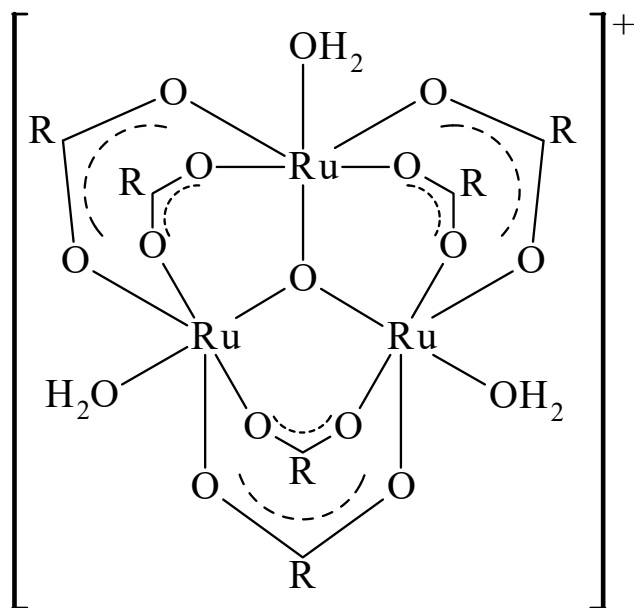




>>Entry Name: Hexakis[μ-(acetato-*O:O'*)]triaqua-μ₃-oxotriruthenium(1+), 9Cl

Synonym(s): Hexa-μ-ethanoato-(*O,O'*)-μ₃-oxotriaquatriruthenium(III)



CAS Registry Number: 34344-19-9

Molecular Formula: C₁₂H₂₄O₁₆Ru₃⁽⁺⁾

Molecular Weight: 727.522

Accurate Mass: 729.819484

Percentage Composition: C 19.81%; H 3.32%; O 35.19%; Ru 41.68%

Use/Importance: An invaluable synthetic reagent, and interesting catalyst

Solubility: Sol. H₂O

pKa Value: pK_a 4.35

>>Derivative: Acetate

CAS Registry Number: 38998-79-7

Molecular Formula: C₁₄H₂₇O₁₈Ru₃

Molecular Weight: 786.566

Accurate Mass: 788.832789

Percentage Composition: C 21.38%; H 3.46%; O 36.61%; Ru 38.55%

Physical Description: Green cryst. (MeOH/Me₂CO)

Other Data: μ_{eff} = 1.77μ_B (298K) (per Ru₃ unit)

References:

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Sasson, Y. *et al.*, *Can. J. Chem.*, 1974, **52**, 3825, (*catalysis*)
Sasson, Y. *et al.*, *Tet. Lett.*, 1974, 4133, (*catalysis*)
Fouda, S.A. *et al.*, *Inorg. Chem.*, 1979, **18**, 1, (*catalysis*)
Johnson, M.K. *et al.*, *Spectrochim. Acta A*, 1981, **37**, 995, (*ir*)
Ito, S. *et al.*, *Tet. Lett.*, 1983, **24**, 5249, (*catalysis*)
Nicolaidis, C.P. *et al.*, *J. Mol. Catal.*, 1984, **24**, 375, (*catalysis*)
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