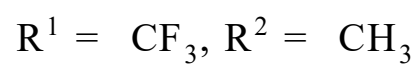
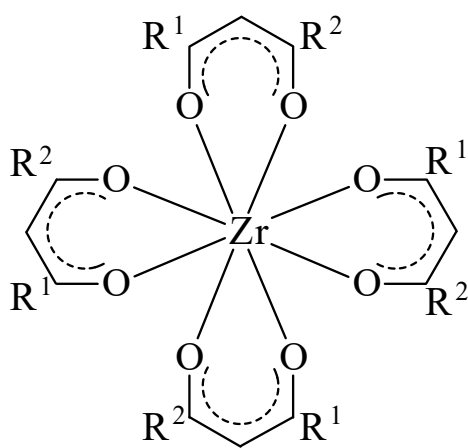




>>Entry Name: Tetrakis(1,1,1-trifluoro-2,4-pentanedionato-*O,O'*)zirconium(IV), 11Cl

Synonym(s): Tetrakis(trifluoroacetylacetonato)zirconium(IV). Zirconium trifluoroacetylacetonate. Zr(tfac)₄



CAS Registry Number: 17499-68-2

Molecular Formula: C₂₀H₁₆F₁₂O₈Zr

Molecular Weight: 703.546

Accurate Mass: 701.970059

Percentage Composition: C 34.14%; H 2.29%; F 32.40%; O 18.19%; Zr 12.97%

Source/Synthesis: Synth. from Zr(NO₃)₄ and HL in EtOH or ZrCl₄ and HL in Et₂O

Use/Importance: Improves electrophotographic plates; additive in dentifrices

Melting Point: Mp 190 dec.°

Boiling Point: Subl._{0.05} 115°

Solubility: Sol. MeOH, Me₂CO, THF

Aldrich: 38332-5

Other: Gelest AKZ985

References:

U.K. Pat., 1973, 1 319 247; *CA*, **80**, 74344p, (use)

Das, M. *et al.*, *Synth. React. Inorg. Met.-Org. Chem.*, 1982, **12**, 671, (synth, cmr, F-19 nmr)

Volkov, S.V. *et al.*, *Ukr. Khim. Zh. (Russ. edn.)*, 1983, **49**, 682; *CA*, **99**, 98202j, (synth, ir, ms)

Japan. Pat., 1984, 59 223 440; *CA*, **102**, 176504f, (use)