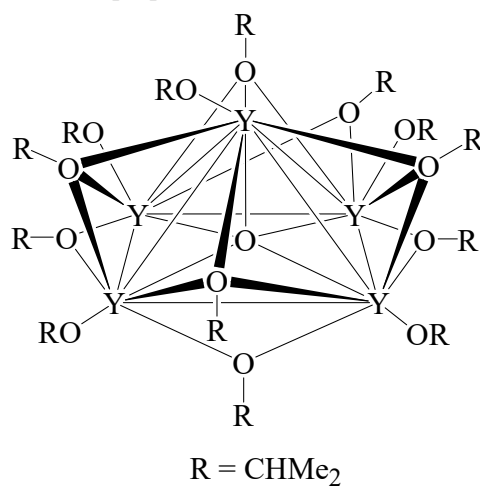




>>Entry Name: μ_5 -Oxotetrakis[μ -(2-propanolato)]tetrakis[μ_3 -(2-propanolato)]pentakis(2-propanolato)pentayttrium, 12Cl

Synonym(s): Tridecaisopropoxy(oxo)pentayttrium. Yttrium(III) oxo isopropoxide



CAS Registry Number: 118458-20-1

Molecular Formula: $C_{39}H_{91}O_{14}Y_5$

Molecular Weight: 1228.669

Accurate Mass: 1228.17013

Percentage Composition: C 38.12%; H 7.46%; O 18.23%; Y 36.18%

Source/Synthesis: Synth. from Y, Pr^iOH and toluene in the presence of $HgCl_2/Hg(OAc)_2$ catalyst

Use/Importance: Used to obtain stabilised Zirconia via the sol-gel process

Physical Description: Colourless cryst.

Boiling Point: $Bp_{0.01}$ 220°

Solubility: Sol. pentane, petrol, C_6H_6 , toluene, 2-propanol

Other Data: Struct. is retained in soln.

References:

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