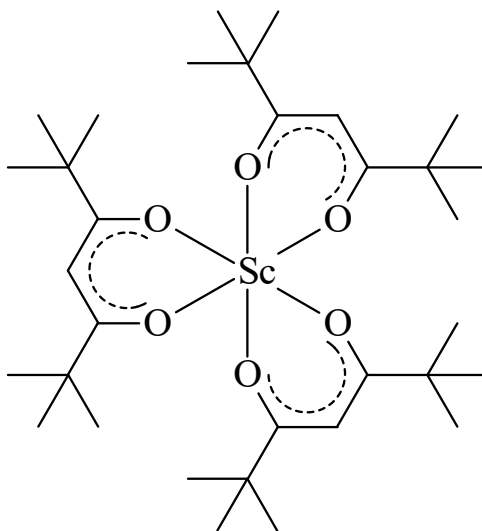




>>Entry Name: Tris(2,2,6,6-tetramethyl-3,5-heptanedionato-*O,O'*)scandium(III)

Synonym(s): Tris(dipivaloylmethanido)scandium. Scandium dipivaloylmethanide. Sc(thd)₃



CAS Registry Number: 15492-49-6

Molecular Formula: C₃₃H₅₇O₆Sc

Molecular Weight: 594.766

Accurate Mass: 594.371429

Percentage Composition: C 66.64%; H 9.66%; O 16.14%; Sc 7.56%

Use/Importance: Intermediate for Sc oxide ceramics

Physical Description: Colourless cryst.

Melting Point: Mp 152-155°

Solubility: Sol. C₆H₆, hexane

Other: Gelest AKS688

References:

Eisentraut, K.J. *et al.*, *J.A.C.S.*, 1965, **87**, 5254, (*synth, pmr*)

Berg, E.W. *et al.*, *Anal. Chim. Acta*, 1968, **40**, 101, (*synth*)

Inorg. Synth., 1968, **11**, 94

Gavrishchuk, E.M. *et al.*, *Zh. Neorg. Khim.*, 1983, **28**, 871; *Russ. J. Inorg. Chem. (Engl. Transl.)*, 1983, **28**, 493, (*ms*)