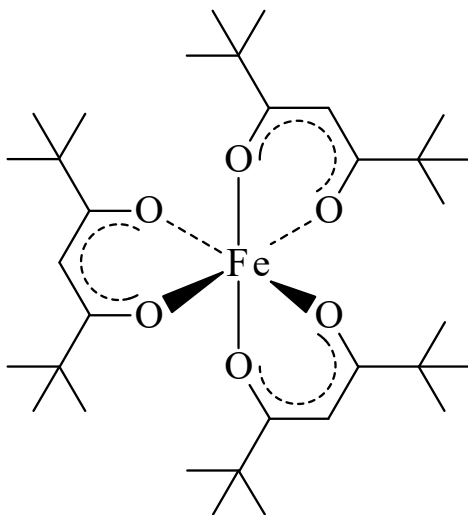




>>Entry Name: Tris(2,2,6,6-tetramethyl-3,5-heptanedionato-*O,O'*)iron(III), 9Cl



CAS Registry Number: 14876-47-2

Molecular Formula: C₃₃H₅₇FeO₆

Molecular Weight: 605.657

Accurate Mass: 605.350454

Percentage Composition: C 65.44%; H 9.49%; Fe 9.22%; O 15.85%

Source/Synthesis: Obt. from FeCl₃ + NaOAc + HL in EtOH

Use/Importance: Used to deposit oxide films; catalyst component

Physical Description: Red needles

Melting Point: Mp 162-163°

Solubility: Sol. DMF

Other Data: Subl. on heating

Aldrich: 46820-7

References:

Hammond, G.S. *et al.*, *Inorg. Chem.*, 1963, **2**, 73, (*synth*)

Fatta, A.M. *et al.*, *Inorg. Chem.*, 1972, **11**, 88, (*uv*)

Tsiamis, C. *et al.*, *Inorg. Chim. Acta*, 1986, **120**, 1, (*electrochem*)

Baidina, I.A. *et al.*, *Koord. Khim.*, 1986, **12**, 258, (*struct*)

Baidina, I.A. *et al.*, *Zh. Strukt. Khim.*, 1986, **27**, 102, (*cryst struct*)