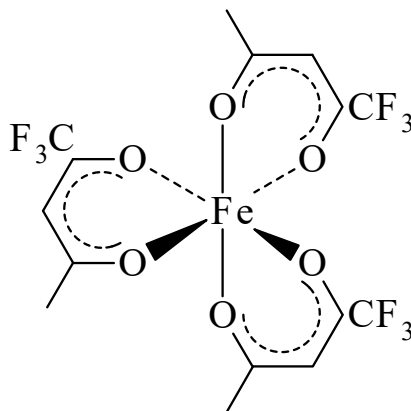




>>Entry Name: Tris(1,1,1-trifluoro-2,4-pentanedionato-*O,O'*)iron(*III*), 9Cl

Synonym(s): Iron(*III*) trifluoroacetylacetonate



CAS Registry Number: 14526-22-8

Related CAS Registry Numbers(s): 36514-56-4 67112-94-1

Molecular Formula: C₁₅H₁₂F₉FeO₆

Molecular Weight: 515.089

Accurate Mass: 514.983956

Percentage Composition: C 34.98%; H 2.35%; F 33.20%; Fe 10.84%; O 18.64%

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

Use/Importance: Arylation catalyst; used for CVD of oxide films

Physical Description: Red cryst.

Melting Point: Mp 114°

Other: Gelest AKI415

References:

Fay, R.C. *et al.*, *J.A.C.S.*, 1963, **85**, 500, (*synth*)

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

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

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