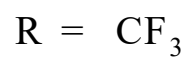
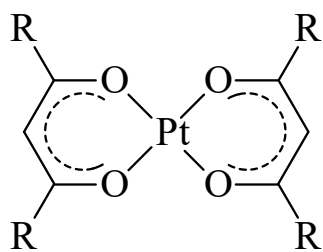




>>Entry Name: Bis(1,1,1,5,5,5-hexafluoro-2,4-pentanedionato-*O,O'*)platinum, 10Cl

Synonym(s): Bis(hexafluoroacetylacetonato)platinum(II). Platinum(II) hexafluoroacetylacetonate. Pt(hfac)₂



CAS Registry Number: 65353-51-7

Molecular Formula: C₁₀H₂F₁₂O₄Pt

Molecular Weight: 609.184

Accurate Mass: 608.940912

Percentage Composition: C 19.72%; H 0.33%; F 37.42%; O 10.51%; Pt 32.02%

General Statement: Square planar struct.

Source/Synthesis: Synth. from [Pt(H₂O)₄]²⁽⁺⁾ + Hhfac + OH⁽⁻⁾

Use/Importance: Can be used to deposit Pt thin films

Physical Description: Orange needles

Boiling Point: Subl. 65°

Solubility: Sol. many org. solvs.

Aldrich: 44926-1

Other: Gelest AKP605

References:

Inorg. Synth., 1980, **20**, 65, (*synth*)

Okeya, S. *et al.*, *Bull. Chem. Soc. Jpn.*, 1981, **54**, 1085, (*ir, pmr, cmr, F-19 nmr*)

Lavallee, R.J. *et al.*, *Inorg. Chem.*, 1997, **36**, 5552, (*pmr, cmr, uv, photochem*)

Jeon, N.L. *et al.*, *Langmuir*, 1997, **13**, 3833, (*use*)