Platinum(II) acetylacetonate

Other names:	Bis(2,4-pentanedionato-O,O')platinum Platinum bis(acetylacetonate) Platinum(II) 2,4-pentanedionate Platinum, bis(2,4-pentanedionato-O,O')-, (SP-4-1)- Platinum, bis(2,4-pentanedionato-«kappa»O,«kappa»O')-, (SP-4-1)- Platinum, bis(2,4-pentanedionato-Â«kappaÂ»O,Â«kappaÂ»O')-, (SP-4-1)- bis(pentane-2,4-dionato-O,O')platinum platinum acetylacetonate
Inchi:	InChI=1S/2C5H8O2.Pt/c2*1-4(6)3-5(2)7;/h2*3,6H,1-2H3;/q;;+2/p-2/b2*4-3-;
InchiKey:	KLFRPGNCEJNEKU-FDGPNNRMSA-L
Formula:	C10H14O4Pt
SMILES:	CC(=O)C=C(C)[O-].CC(=O)C=C(C)[O-].[Pt]
Mol. weight [g/mol]:	393.30
CAS:	15170-57-7

Physical Properties

Property code	Value	Unit	Source
hsub	133.00 ± 9.00	kJ/mol	NIST Webbook
ie	7.60	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	129.00 ± 9.00	kJ/mol	373.00	NIST Webbook

Sources

Binary Diffusion Coefficients of Platinum(II) Acetylacetonate in Supercritical Carbon Dioxide:	https://www.doi.org/10.1021/je400313n
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C15170577&Units=SI

Legend

hsub:	Enthalpy of sublimation at standard conditions
hsubt:	Enthalpy of sublimation at a given temperature
ie:	Ionization energy

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