Iridium, tris(2,4-pentanedionato-O,O')-, (OC-6-11)-

Other names:	Iridium, tris(2,4-pentanedionato)-
	Iridium tris(acetylacetonate)
	Iridium(III) 2,4-pentanedionate
	Iridium, tris(2,4-pentanedionato-«kappa»O2,«kappa»O4)-, (OC-6-11)-
	Tris(acetylacetonato)iridium
	tris(pentane-2,4-dionato-O,O')iridium
	tris(2,4-pentanedionato)iridium(III)
Inchi:	InChI=1S/3C5H8O2.Ir/c3*1-4(6)3-5(2)7;/h3*3,6H,1-2H3;/q;;;+3/p-3/b3*4-3-;
InchiKey:	HLYTZTFNIRBLNA-LNTINUHCSA-K
Formula:	C15H21IrO6
SMILES:	CC(=O)C=C(C)[O-].CC(=O)C=C(C)[O-].CC(=O)C=C(C)[O-].[Ir]
Mol. weight [g/mol]:	489.54
CAS:	15635-87-7

Physical Properties

Property code	Value	Unit	Source
hsub	86.60 ± 2.10	kJ/mol	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	129.30 ± 0.80	kJ/mol	448.00	NIST Webbook
hsubt	130.50 ± 3.40	kJ/mol	408.00	NIST Webbook
hsubt	101.60 ± 1.80	kJ/mol	450.00	NIST Webbook
hsubt	86.60 ± 1.70	kJ/mol	493.00	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C15635877&Units=SI

Legend

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