

Rhodium, dicarbonyl(2,4-pentanedionato-O,O')-, (SP-4-2)-

Other names:	Rhodium, dicarbonyl(2,4-pentanedionato)- Acetylacetonatodicarbonylrhodium Acetylacetonatorhodium dicarbonyl Dicarbonyl(2,4-pentanedionato)rhodium Dicarbonylacetylacetonatorhodium Dicarbonylrhodium acetylacetonate Rhodium dicarbonylacetylacetonate Rhodium, dicarbonyl(2,4-pentanedionato-O,O')- Rhodium(I) dicarbonyl acetylacetonate Dicarbonylrhodium(I) 2,4-pentanedionate Dicarbonylacetylacetonato-rhodium(I) (Acetylacetonato)dicarbonylrhodium(I) dicarbonyl(pentane-2,4-dionato-O,O')rhodium
Inchi:	InChI=1S/C5H8O2.2CO.Rh/c1-4(6)3-5(2)7;2*1-2;/h3,6H,1-2H3;;;/q;;;+1/p-1/b4-3-;;;
InchiKey:	BZCAWKOPWNIDOC-FGSKAQBVSA-M
Formula:	C7H7O4Rh
SMILES:	CC(=O)/C=C(/C)[O-].[C-]#[O+].[C-]#[O+].[Rh+]
Mol. weight [g/mol]:	258.03
CAS:	14874-82-9

Physical Properties

Property code	Value	Unit	Source
hsub	86.10 ± 2.90	kJ/mol	NIST Webbook
ie	8.10	eV	NIST Webbook
ie	8.60 ± 0.10	eV	NIST Webbook
ie	8.50	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	87.00 ± 2.90	kJ/mol	288.50	NIST Webbook

Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C14874829&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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