

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

Other names:	Rhodium acetylacetonate Rhodium tris(acetylacetonate) Rhodium(III) 2,4-pentanedionate Rhodium(III) acetylacetonate Rhodium, tris(2,4-pentanedionato)- Rhodium, tris(2,4-pentanedionato-O,O')- Tris(2,4-pentanedionato)rhodium Tris(acetylacetonato)rhodium tris(2,4-pentanedionato-O,O')rhodium tris(pentane-2,4-dionato-O,O')rhodium
Inchi:	InChI=1S/3C5H8O2.Rh/c3*1-4(6)3-5(2)7;/h3*3,6H,1-2H3;/q;;;+3/p-3/b3*4-3-;
InchiKey:	DGOINFUDFBWCMX-LNTINUHCSA-K
Formula:	C15H21O6Rh
SMILES:	CC(=O)C=C(C)[O-].CC(=O)C=C(C)[O-].CC(=O)C=C(C)[O-].[Rh]
Mol. weight [g/mol]:	400.23
CAS:	14284-92-5

Physical Properties

Property code	Value	Unit	Source
hsub	100.80 ± 8.90	kJ/mol	NIST Webbook
ie	7.34 ± 0.01	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
psub	5.70e-04	kPa	411.70	Thermochemical study of rhodium(III) acetylacetonate
psub	8.63e-04	kPa	416.50	Thermochemical study of rhodium(III) acetylacetonate
psub	1.20e-03	kPa	420.50	Thermochemical study of rhodium(III) acetylacetonate

psub	1.81e-03	kPa	425.30	Thermochemical study of rhodium(III) acetylacetonate
psub	2.57e-04	kPa	403.60	Thermochemical study of rhodium(III) acetylacetonate
psub	1.56e-04	kPa	398.30	Thermochemical study of rhodium(III) acetylacetonate
psub	2.68e-03	kPa	430.40	Thermochemical study of rhodium(III) acetylacetonate
psub	4.13e-03	kPa	435.40	Thermochemical study of rhodium(III) acetylacetonate
psub	5.55e-03	kPa	439.40	Thermochemical study of rhodium(III) acetylacetonate
psub	8.68e-03	kPa	445.20	Thermochemical study of rhodium(III) acetylacetonate
psub	0.01	kPa	449.00	Thermochemical study of rhodium(III) acetylacetonate
psub	0.02	kPa	452.10	Thermochemical study of rhodium(III) acetylacetonate
psub	0.02	kPa	458.20	Thermochemical study of rhodium(III) acetylacetonate
psub	0.03	kPa	463.00	Thermochemical study of rhodium(III) acetylacetonate

Sources

Thermochemical study of rhodium(III) acetylacetonate:
NIST Webbook:

<https://www.doi.org/10.1016/j.jct.2016.07.031>

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C14284925&Units=SI>

Legend

hsub:	Enthalpy of sublimation at standard conditions
ie:	Ionization energy
psub:	Sublimation pressure

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