

# Palladium(II) acetylacetonate

<b>Other names:</b>	Bis(acetylacetonato)palladium Palladium acetylacetonate Palladium diacetylacetonate Palladium(II) 2,4-pentanedionate Palladium, bis(2,4-pentanedionato)- Palladium, bis(2,4-pentanedionato-O,O')-, (SP-4-1)- bis(2,4-pentanedionato)palladium bis(acetylacetonato)palladium(II) palladium (II) di(4-oxopent-2-en-2-oate) palladium bis(2,4-pentanedionate) palladium bis(acetoacetate) palladium bis(acetylacetonate)
<b>Inchi:</b>	InChI=1S/2C5H8O2.Pd/c2*1-3-5(7)4(2)6;/h2*3,7H,1-2H3;/q;;;+2/p-2/b5-3+;5-3-;
<b>InchiKey:</b>	RRNUJVZFXSIII-LIQZFWKRSA-L
<b>Formula:</b>	C10H14O4Pd
<b>SMILES:</b>	CC=C(O[Pd]OC(=CC)C(C)=O)C(C)=O
<b>Mol. weight [g/mol]:</b>	304.64
<b>CAS:</b>	14024-61-4

## Physical Properties

Property code	Value	Unit	Source
hsub	122.70 ± 8.60	kJ/mol	NIST Webbook
hsub	132.00 ± 17.00	kJ/mol	NIST Webbook
ie	7.79	eV	NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	121.50 ± 1.50	kJ/mol	427.00	NIST Webbook
hsubt	130.10 ± 2.80	kJ/mol	381.50	NIST Webbook
hsubt	128.00 ± 17.00	kJ/mol	378.00	NIST Webbook

# Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C14024614&Units=SI>

Diffusion coefficients of metal acetylacetonates in supercritical fluids  
Measurements of binary diffusion coefficients for metal complexes in organic solvents by the Taylor dispersion method :

<https://www.doi.org/10.1016/j.fluid.2010.02.036>

<https://www.doi.org/10.1016/j.fluid.2010.06.003>

## Legend

**hsub:** Enthalpy of sublimation at standard conditions

**hsubt:** Enthalpy of sublimation at a given temperature

**ie:** Ionization energy

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