

Rhodium, bis(«eta»2-ethene)(2,4-pentanedionato-O,O')-

Other names:

Rhodium, bis(ethylene)(2,4-pentanedionato)-

(Acetylacetonato)bis(ethylene)rhodium

Acetylacetonatobis(ethylene)rhodium(I)

Bis(ethylene)(2,4-pentanedionato)rhodium

Bis(ethylene)rhodium(I) acetylacetonate

Bisethylenerrhodium acetylacetonate

Diethylene(acetylacetonato)rhodium

2,4-Pentanedionatobis(ethylene)rhodium

Acetylacetonatobis(ethylene)rhodium(1)

bis(«eta»2-ethylene)(pentane-2,4-dionato-O,O')rhodium

Inchi: InChI=1S/C5H8O2.2C2H4.Rh/c1-4(6)3-5(2)7;2*1-2;/h3,6H,1-2H3;2*1-2H2;/q;;;+1/p-1/b4-

InchiKey: FLRBEQQDEGBCJS-FGSKAQBVSA-M

Formula: C9H15O2Rh

SMILES: C=C.C=C.C.CC(=O)C=C(C)[O-].[Rh]

Mol. weight [g/mol]: 258.12

CAS: 12082-47-2

Physical Properties

| Property code | Value | Unit | Source |
|---------------|--------------|--------|--------------|
| hsub | 97.90 ± 3.80 | kJ/mol | NIST Webbook |
| ie | 7.17 | eV | NIST Webbook |
| ie | 7.54 | eV | NIST Webbook |

Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---------------|--------------|--------|-----------------|--------------|
| hsubt | 97.90 ± 7.10 | kJ/mol | 291.50 | NIST Webbook |

Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C12082472&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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