Co4(CO)12

Other names: Cobalt, tri-«mu»-carbonylnonacarbonyltetra-, tetrahedro
Cobalt carbonyl (Co4(CO)12)
Dodecacarbonyltetracobalt
Co4(CO)12
tri-«mu»-carbonylnonacarbonyltetracobalt
InchiKey: YMFAWOSEDSLYSZ-UHFFFAOYSA-N
Formula: C12Co4O12
Mol. weight [g/mol]: 571.85

Physical Properties

Property code	Value	Unit	Source
hf	-1748.00 ± 15.00	kJ/mol	NIST Webbook; Martinho Simões
hf	-1747.00 ± 14.00	kJ/mol	NIST Webbook; Martinho Simões
hf	-1747.00 ± 11.00	kJ/mol	NIST Webbook; Martinho Simões
hfs	-1844.00 ± 14.00	kJ/mol	NIST Webbook; Martinho Simões
hfs	-1843.00 ± 14.00	kJ/mol	NIST Webbook; Martinho Simões
hfs	-1843.50 ± 9.80	kJ/mol	NIST Webbook; Martinho Simões
hsub	96.20 ± 4.20	kJ/mol	NIST Webbook; Pilcher and Skinner, 1982

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=B2001476&Units=SI

Legend

hf: Enthalpy of formation at standard conditions
hfs: Solid phase enthalpy of formation at standard conditions

hsub: Enthalpy of sublimation at standard conditions

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