Cobalt, nonacarbonyl[«mu»3-(chloromethylidyne)]tri-, triangulo

Other names: Cobalt, nonacarbonyl[«mu»-(chloromethylidyne)]tri-
Cobalt [«mu»

Inchi: InChI=1S/CCl.9CO.3Co/c10*1-2;;;

InchiKey: APCMXMZSBGYSTN-UHFFFAOYSA-N

Formula: C10ClCo3O9

Mol. weight [g/mol]: 476.35

CAS: 13682-02-5

Physical Properties

Property code	Value	Unit	Source
hf	-1058.40 ± 7.50	kJ/mol	NIST Webbook; Martinho Simões
hfs	-1176.00 ± 7.10	kJ/mol	NIST Webbook; Martinho Simões
hsub	117.60 ± 2.50	kJ/mol	NIST Webbook; Pilcher and Skinner, 1983
hsub	117.60 ± 2.50	kJ/mol	NIST Webbook; Gardner, Cartner, et al., 1975
ie	7.90	eV	NIST Webbook; Granozzi, Tondello, et al., 1982
ie	7.80	eV	NIST Webbook; Costa, Lloyd, et al., 1982
ie	7.70	eV	NIST Webbook; Chesky and Hall, 1981
ie	8.63	eV	NIST Webbook; Granozzi, Tondello, et al., 1982
ie	8.11 ± 0.05	eV	NIST Webbook; Costa, Lloyd, et al., 1982
ie	8.80	eV	NIST Webbook; Chesky and Hall, 1981

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C13682025&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
ie:	Ionization energy

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