

Tetraacetato dichromium

Other names:	Dichromium tetraacetate
Inchi:	InChI=1S/4C2H4O2.2Cr/c4*1-2(3)4;;/h4*1H3,(H,3,4);;/q;;;;;2*+2/p-4
InchiKey:	COSOKRWKZBULAU-UHFFFAOYSA-J
Formula:	C8H12Cr2O8
SMILES:	CC(=O)[O-].CC(=O)[O-].CC(=O)[O-].CC(=O)[O-].[Cr].[Cr]
Mol. weight [g/mol]:	340.17
CAS:	15020-15-2

Physical Properties

Property code	Value	Unit	Source
hf	-1994.00 ± 14.00	kJ/mol	NIST Webbook
hfs	-2293.10 ± 8.90	kJ/mol	NIST Webbook
hsub	300.00 ± 10.00	kJ/mol	NIST Webbook
hsub	314.00 ± 27.00	kJ/mol	NIST Webbook
ie	8.00	eV	NIST Webbook
ie	8.65 ± 0.05	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	300.00 ± 10.00	kJ/mol	335.00	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C15020152&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
hsubt:	Enthalpy of sublimation at a given temperature
ie:	Ionization energy

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