

Iron, hexacarbonylbis[«mu»-(methanethiolato)]di-, (Fe-Fe)

Other names:	Bis(«mu»-methylmercapto)bis(tricarbonyliron) Iron, hexacarbonylbis[«mu»-(methanethiolato)]di-, Di-«mu»-methanethiolato-hexacarbonyl-diiron hexacarbonylbis[«mu»-(methanethiolato)]diiron
Inchi:	InChI=1S/6CO.2CH3S.2Fe/c8*1-2;;/h;;;;;;;2*1H3;;
InchiKey:	DWAKKZOFWUECIF-UHFFFAOYSA-N
Formula:	C8H6Fe2O6S2
SMILES:	C[S].C[S].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[Fe].[Fe]
Mol. weight [g/mol]:	373.95
CAS:	14878-96-7

Physical Properties

Property code	Value	Unit	Source
hsub	109.80	kJ/mol	NIST Webbook
ie	8.07 ± 0.01	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	102.80	kJ/mol	333.00	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C14878967&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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