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