Ferrocene, 1,1'-dimethyl-

Other names:	1,1'-Dimethylferrocene
	Bis(methylcyclopentadienyl)iron
	Dimethyl ferrocene
Inchi:	InChI=1S/2C6H7.Fe/c2*1-6-4-2-3-5-6;/h2*2-5H,1H3;
InchiKey:	GJFIEPAJMYPAGC-UHFFFAOYSA-N
Formula:	C12H14Fe
SMILES:	CC12C3C4C5C1[Fe]45321678C2C1C6C7(C)C28
Mol. weight [g/mol]:	214.09
CAS:	1291-47-0

Physical Properties

Property code	Value	Unit	Source
hsub	84.50 ± 1.90	kJ/mol	NIST Webbook
ie	6.50 ± 0.10	eV	NIST Webbook
ie	6.60 ± 0.20	eV	NIST Webbook
ie	6.65	eV	NIST Webbook
ie	6.72	eV	NIST Webbook
ie	6.72	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	17.66	kJ/mol	312.60	NIST Webbook

Sources

Measurements of binary diffusion coefficients for metal complexes in organic solvents by the Taylor dispersion method :	https://www.doi.org/10.1016/j.fluid.2010.06.003
Measurements of Binary Diffusion Coefficients for Ferrocene and 1,1'-Dimethylferrocene in Supercritical Carbon Dioxide:	https://www.doi.org/10.1021/je901096d
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1291470&Units=SI

Legend

hfust:	Enthalpy of fusion at a given temperature
hsub:	Enthalpy of sublimation at standard conditions
ie:	Ionization energy