

Bis(pentamethylcyclopentadienyl)iron

Other names:	Ferrocene, decamethyl- Ferrocene, 1,1',2,2',3,3',4,4',5,5'-decamethyl-
Inchi:	InChI=1S/2C10H15.Fe/c2*1-6-7(2)9(4)10(5)8(6)3;/h2*1-5H3;
InchiKey:	OZHNSXNGSKKWMC-UHFFFAOYSA-N
Formula:	C20H30Fe
SMILES:	CC12C3(C)C4(C)C5(C)C1(C)[Fe]23451678C2(C)C1(C)C6(C)C7(C)C28C
Mol. weight [g/mol]:	326.30
CAS:	12126-50-0

Physical Properties

Property code	Value	Unit	Source
hsub	99.00 ± 2.40	kJ/mol	NIST Webbook
hsub	96.80 ± 0.60	kJ/mol	NIST Webbook
ie	5.80 ± 0.10	eV	NIST Webbook
ie	6.20 ± 0.10	eV	NIST Webbook
ie	5.88	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	95.70 ± 2.40	kJ/mol	365.50	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C12126500&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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