Osmocene

Inchi: InChI=1S/2C5H5.Os/c2*1-2-4-5-3-1;/h2*1-5H;
InchiKey: RBPKLTFNJHKDRH-UHFFFAOYSA-N
Formula: C10H10Os
SMILES: C1=CC([Os]C2C=CC=C2)C=C1
Mol. weight [g/mol]: 320.42
CAS: 1273-81-0

Physical Properties

Property code	Value	Unit	Source
chs	-6041.70	kJ/mol	NIST Webbook
hf	364.30	kJ/mol	NIST Webbook
hfs	283.80	kJ/mol	NIST Webbook
hsub	80.50 ± 1.70	kJ/mol	NIST Webbook
hsub	80.50 ± 1.70	kJ/mol	NIST Webbook
ie	7.00	eV	NIST Webbook
ie	7.60 ± 0.10	eV	NIST Webbook
tb	571.00 ± 0.00	K	NIST Webbook
tf	506.80 ± 0.50	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	72.90 ± 1.40	kJ/mol	449.50	NIST Webbook
hvapt	56.30 ± 1.30	kJ/mol	534.50	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1273810&Units=SI

Legend

chs:	Standard solid enthalpy of combustion
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
hvapt:	Enthalpy of vaporization at a given temperature
ie:	Ionization energy
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point