Osmium, dodecacarbonyltri-, triangulo

Other names:	Dodecacarbonyl-triangulo-triosmium
	Dodecacarbonyltriosmium
	Osmium carbonyl (Os3(CO)12)
	Osmium dodecacarbonyl
	Triosmium dodecacarbonyl
	Os3(CO)12
	Osmium carbonyl
	Triangulo-dodecacarbonyltriosmium
Inchi:	InChI=1S/12CO.3Os/c12*1-2;;;
InchiKey:	VUBLMKVEIPBYME-UHFFFAOYSA-N
Formula:	C12O12Os3
SMILES:	[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].
Mol. weight [g/mol]:	906.81
CAS:	15696-40-9

Physical Properties

Property code	Value	Unit	Source
hf	-1644.00 ± 26.00	kJ/mol	NIST Webbook
hfs	-1749.00 ± 17.00	kJ/mol	NIST Webbook
hsub	105.00 ± 20.00	kJ/mol	NIST Webbook
hsub	105.00 ± 20.00	kJ/mol	NIST Webbook
ie	7.83	eV	NIST Webbook
ie	7.80 ± 0.20	eV	NIST Webbook
ie	7.80	eV	NIST Webbook
ie	7.83	eV	NIST Webbook
ie	7.83	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	134.40 ± 0.40	kJ/mol	372.50	NIST Webbook
hsubt	108.40	kJ/mol	483.00	NIST Webbook
hvapt	101.70	kJ/mol	520.00	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C15696409&Units=SI

Legend

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