Tri-ruthenium dodecacarbonyl

Other names:	Ru3(CO)12
	Ruthenium, dodecacarbonyltri-, triangulo
	Ruthenium,dodecacarbonyltri-
	Ruthenium carbonyl
Inchi:	InChI=1S/12CO.3Ru/c12*1-2;;;
InchiKey:	NQZFAUXPNWSLBI-UHFFFAOYSA-N
Formula:	C12O12Ru3
SMILES:	[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].
Mol. weight [g/mol]:	639.33
CAS:	15243-33-1

Physical Properties

Property code	Value	Unit	Source
hf	-1816.00 ± 26.00	kJ/mol	NIST Webbook
hf	-1798.00 ± 24.00	kJ/mol	NIST Webbook
hfs	-1921.00 ± 17.00	kJ/mol	NIST Webbook
hfs	-1903.00 ± 13.00	kJ/mol	NIST Webbook
hsub	105.00 ± 20.00	kJ/mol	NIST Webbook
ie	7.70 ± 0.20	eV	NIST Webbook
ie	7.91	eV	NIST Webbook
ie	7.50	eV	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C15243331&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

ie: Ionization energy