Chromium, bis(«eta»6-benzene)-

Other names:	Chromium, bis(benzene)-
	Bis(benzene)chromium
	Dibenzenechromium
	bis(«eta»
Inchi:	InChI=1S/2C6H6.Cr/c2*1-2-4-6-5-3-1;/h2*1-6H;
InchiKey:	HVURSIGIEONDKB-UHFFFAOYSA-N
Formula:	C12H12Cr
SMILES:	C12C3C4C5C6C1[Cr]234651789%10C2C1C7C8C9C2%10
Mol. weight [g/mol]:	208.22
CAS:	1271-54-1

Physical Properties

Property code	Value	Unit	Source
hsub	78.20 ± 6.30	kJ/mol	NIST Webbook
hsub	78.20 ± 6.20	kJ/mol	NIST Webbook
ie	5.70 ± 0.10	eV	NIST Webbook
ie	5.40	eV	NIST Webbook
ie	4.90	eV	NIST Webbook
ie	5.90 ± 0.10	eV	NIST Webbook
ie	5.45 ± 0.02	eV	NIST Webbook
ie	5.40 ± 0.10	eV	NIST Webbook
ss	226.23	J/mol×K	NIST Webbook
ss	339.50	J/mol×K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	223.93	J/mol×K	298.15	NIST Webbook
cps	328.40	J/mol×K	298.15	NIST Webbook
hsubt	89.40	kJ/mol	343.00	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1271541&Units=SI

Legend

cps:	Solid phase heat capacity
hsub:	Enthalpy of sublimation at standard conditions
hsubt:	Enthalpy of sublimation at a given temperature
ie:	Ionization energy
ss:	Solid phase molar entropy at standard conditions