

# Chromium, bis(«eta»6-benzene)-

<b>Other names:</b>	Chromium, bis(benzene)- Bis(benzene)chromium Dibenzenechromium bis(«eta»
<b>Inchi:</b>	InChI=1S/2C6H6.Cr/c2*1-2-4-6-5-3-1;/h2*1-6H;
<b>InchiKey:</b>	HVURSIGIEONDKB-UHFFFAOYSA-N
<b>Formula:</b>	C12H12Cr
<b>SMILES:</b>	C12C3C4C5C6C1[Cr]234651789%10C2C1C7C8C9C2%10
<b>Mol. weight [g/mol]:</b>	208.22
<b>CAS:</b>	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/molxK	NIST Webbook
ss	339.50	J/molxK	NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	223.93	J/molxK	298.15	NIST Webbook
cps	328.40	J/molxK	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

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

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