Chromium, tricarbonyl[(1,2,3,4,5,6-«eta»)-hexamethylbenzene

Other names: Chromium, tricarbonyl(hexamethylbenzene)-
(Hexamethylbenzene)chromium tricarbonyl
Tricarbonyl(hexamethylbenzene)chromium
(«eta»

Inchi: InChI=1S/C12H18.3CO.Cr/c1-7-8(2)10(4)12(6)11(5)9(7)3;3*1-2;/h1-6H3;;;;

InchiKey: QHYWVVUQIBPVLG-UHFFFAOYSA-N

Formula: C15H18CrO3

SMILES: Cc1c(C)c(C)c(C)c(C)c1C.[C-]#[O+].[C-]#[O+].[C-]#[O+].[Cr]

Mol. weight [g/mol]: 298.30

CAS: 12088-11-8

Physical Properties

Property code	Value	Unit	Source
hf	-562.00 ± 14.00	kJ/mol	NIST Webbook
hf	-538.00 ± 13.00	kJ/mol	NIST Webbook
hfs	-685.00 ± 13.00	kJ/mol	NIST Webbook
hfs	-662.00 ± 12.00	kJ/mol	NIST Webbook
hsub	123.40 ± 4.20	kJ/mol	NIST Webbook
hsub	123.00 ± 4.00	kJ/mol	NIST Webbook
ie	6.40 ± 0.10	eV	NIST Webbook
ie	6.88	eV	NIST Webbook
ie	7.24 ± 0.05	eV	NIST Webbook
ie	7.00	eV	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C12088118&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