(«eta»6-Methoxybenzene) chromium tricarbonyl

Other names: Anisole chromium tricarbonyl
Chromium, tricarbonyl[(1,2,3,4,5,6-«eta»)-methoxybenzene]-
Chromium,tricarbonyl[(1,2,3,4,5,6-«eta»)-methylbenzoate]-
Chromium,tricarbonyl[(1,2,3,4,5,6-«mu»)-methoxybenzene]-
tricarbonyl[(1,2,3,4,5,6-«eta»)-methoxybenzene]chromium

Inchi: InChI=1S/C7H8O.3CO.Cr/c1-8-7-5-3-2-4-6-7;3*1-2;/h2-6H,1H3;;;;

InchiKey: UFRCESJPICEFIC-UHFFFAOYSA-N

Formula: C10H8CrO4

SMILES: COc1ccccc1.[C-]#[O+].[C-]#[O+].[C-]#[O+].[Cr]

Mol. weight [g/mol]: 244.16

CAS: 12116-44-8

Physical Properties

Property code	Value	Unit	Source
hf	-489.00 ± 8.00	kJ/mol	NIST Webbook
hfs	-593.00 ± 8.00	kJ/mol	NIST Webbook
hsub	104.20 ± 2.10	kJ/mol	NIST Webbook
hsub	104.20 ± 2.00	kJ/mol	NIST Webbook
ie	7.32	eV	NIST Webbook
ie	6.80 ± 0.10	eV	NIST Webbook
ie	7.11	eV	NIST Webbook
ie	7.38 ± 0.05	eV	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C12116448&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