Molybdenum, tetracarbonyl(2,5-norbornadiene)-

Other names: Molybdenum,[(2,3,5,6-«eta»)-bicyclo[2.2.1]hepta-2,5-diene]tetracarbonyl-
Molybdenum, (2,5-norbornadiene)tetracarbonyl-
Bicycloheptadienemolybdenum tetracarbonyl
Molybdenum, («eta»

Inchi: InChI=1S/C7H8.4CO.Mo/c1-2-7-4-3-6(1)5-7;4*1-2;/h1-4,6-7H,5H2;;;;;

InchiKey: UZHYHBPCAGKHGZ-UHFFFAOYSA-N

Formula: C11H8MoO4

SMILES: C1=CC2C=CC1C2.[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[Mo]

Mol. weight [g/mol]: 300.14

CAS: 12146-37-1

Physical Properties

Property code	Value	Unit	Source
hf	-331.80 ± 7.30	kJ/mol	NIST Webbook
hfs	-423.80 ± 6.10	kJ/mol	NIST Webbook
hsub	92.00 ± 4.00	kJ/mol	NIST Webbook
hsub	92.00 ± 4.00	kJ/mol	NIST Webbook
ie	7.00	eV	NIST Webbook
ie	7.48	eV	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C12146371&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