Molybdenum, tetrakis[«mu»-(acetato-O:O')]di-, (Mo-Mo)

Other names: Molybdenum, tetrakis(«mu»-acetato)di-, (Mo-Mo)
Dimolybdenum tetraacetate
Tetraacetatodimolybdenum
Mo2(O2CCH3)4
Molybdenum, tetrakis[«mu»-(acetato-O:O')]di-, tetrakis[«mu»-(acetato-O:O')]dimolybdenum

Inchi: InChI=1S/4C2H4O2.2Mo/c4*1-2(3)4;;/h4*1H3,(H,3,4);;/q;;;;2*+2/p-4

InchiKey: DOOLFANBWPPEGQ-UHFFFAOYSA-J

Formula: C8H12Mo2O8

SMILES: CC(=O)[O-].CC(=O)[O-].CC(=O)[O-].CC(=O)[O-].[Mo].[Mo]

Mol. weight [g/mol]: 428.10

CAS: 14221-06-8

Physical Properties

Property code	Value	Unit	Source
hsub	165.00 ± 8.40	kJ/mol	NIST Webbook
ie	6.57	eV	NIST Webbook
ie	6.54	eV	NIST Webbook
ie	7.00	eV	NIST Webbook
ie	6.92 ± 0.05	eV	NIST Webbook
ie	6.80	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	129.00 ± 1.00	kJ/mol	491.00	NIST Webbook
hsubt	171.00 ± 7.00	kJ/mol	410.00	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C14221068&Units=SI

Legend

hsub:	Enthalpy of sublimation at standard conditions
hsubt:	Enthalpy of sublimation at a given temperature
ie:	Ionization energy