DIOXOBIS(2,4-PENTANEDIONATO)MOLYBDENUM

Other names:	Molybdenum(VI) oxide bis(2,4-pentanedionate) Molybdenum(VI) dioxide bis(acetylacetonate) Molybdenum, dioxobis(2,4-pentanedionato-O,O')- Molybdenum-di(oxybisacetylacetonate) dioxobis(pentane-2,4-dionato-O,O')molybdenum
Inchi:	InChI=1S/2C5H8O2.Mo.2O/c2*1-4(6)3-5(2)7;;;/h2*3,6H,1-2H3;;;/q;;+2;;/p-2/b2*4-3+;;;
InchiKey:	SKMUJBBRXZPAJY-UZUXQKAQSA-L
Formula:	C10H14MoO6
SMILES:	CC(=O)/C=C(/C)[O][Mo](=[O])(=[O])[O]/C(C)=C/C(C)=O
Mol. weight [g/mol]:	326.16

Physical Properties

Property code	Value	Unit	Source
hf	-1210.00 ± 10.00	kJ/mol	NIST Webbook
hfs	-1342.10 ± 2.90	kJ/mol	NIST Webbook
hvap	83.03	kJ/mol	Cheméo Relay (1.0)
ie	9.30	eV	Cheméo Relay (1.0)
pc	2255.58	kPa	Cheméo Relay (1.0, beta)
tb	550.75	K	Cheméo Relay (1.0)
tc	733.68	K	Cheméo Relay (1.0)
tf	326.96	K	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0, beta):

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C17524059&Units=SI

Cheméo Relay (1.0):

Legend

hf: Enthalpy of formation at standard conditions

hfs:	Solid phase enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point