

Bis(acetylacetonato)manganese

Other names:	Manganese, bis(2,4-pentanedionato-O,O')- Manganese, bis(2,4-pentanedionato)- Bis(2,4-pentanedionato)manganese Manganese bis(acetylacetonate) Manganese bis(2,4-pentanedionate) Manganese(II) acetylacetonate Manganese(II) bis(acetylacetonate) Manganese(2+) acetylacetonate Manganous acetylacetonate Manganese(II) 2,4-pentanedionate Bis(acetylacetonato)manganese(II) Manganese acetylacetonate Acetylacetone manganese(II) Bis(acetylacetone)manganese Manganese diacetylacetonate Manganese, bis(2,4-pentanedionato-«kappa»O,«kappa»O')- Manganese, bis(2,4-pentanedionato-«kappa»O2,«kappa»O4)- NSC 177707 bis(pentane-2,4-dionato-O,O')manganese
Inchi:	InChI=1S/2C5H8O2.Mn/c2*1-4(6)3-5(2)7;/h2*3,6H,1-2H3;/q;;+2/p-2/b2*4-3-;
InchiKey:	ZQZQURFYFJBOCE-FDGPNNRMSA-L
Formula:	C10H14MnO4
SMILES:	CC(=O)C=C(C)[O-].CC(=O)C=C(C)[O-].[Mn]
Mol. weight [g/mol]:	253.15
CAS:	14024-58-9

Physical Properties

Property code	Value	Unit	Source
hsub	139.30 ± 2.50	kJ/mol	NIST Webbook
ie	7.00	eV	NIST Webbook
ie	8.34 ± 0.05	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	87.00	kJ/mol	343.00	NIST Webbook
hsubt	88.70	kJ/mol	400.00	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C14024589&Units=SI>

Legend

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

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