

Manganese, pentacarbonyliodo-

Other names:	Manganese pentacarbonyl iodide Manganese, pentacarbonyliodo-, (OC-6-22)- Iodine manganese pentacarbonyl Iodomanganese pentacarbonyl Pentacarbonyliodomanganese Mn(CO)5I
Inchi:	InChI=1S/5CO.HI.Mn/c5*1-2;;/h;;;;;1H;/q;;;;;+1/p-1
InchiKey:	IGYXZZLAUYRNTU-UHFFFAOYSA-M
Formula:	C5IMnO5
SMILES:	[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[I-].[Mn+]
Mol. weight [g/mol]:	321.89
CAS:	14879-42-6

Physical Properties

Property code	Value	Unit	Source
hf	-834.20 ± 5.20	kJ/mol	NIST Webbook
hfs	-911.60 ± 5.00	kJ/mol	NIST Webbook
hsub	77.40 ± 1.40	kJ/mol	NIST Webbook
hsub	77.40 ± 1.40	kJ/mol	NIST Webbook
ie	8.55 ± 0.02	eV	NIST Webbook
ie	8.40 ± 0.05	eV	NIST Webbook
ie	8.44	eV	NIST Webbook
ie	8.35	eV	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C14879426&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

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