

# Hydromanganese pentacarbonyl

**Inchi:** InChI=1S/5CO.Mn.H/c5\*1-2;;  
**InchiKey:** SKOPWNLHPUYPLV-UHFFFAOYSA-N  
**Formula:** C5HMnO5  
**SMILES:** [C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[H].[Mn]  
**Mol. weight [g/mol]:** 196.00  
**CAS:** 16972-33-1

## Physical Properties

Property code	Value	Unit	Source
affp	835.50	kJ/mol	NIST Webbook
basg	803.00	kJ/mol	NIST Webbook
hf	-739.60 ± 9.40	kJ/mol	NIST Webbook
hfl	-777.40 ± 9.40	kJ/mol	NIST Webbook
hvap	37.80 ± 0.80	kJ/mol	NIST Webbook
ie	8.85	eV	NIST Webbook
ie	9.00	eV	NIST Webbook
ie	8.50 ± 0.10	eV	NIST Webbook
ie	8.85	eV	NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C16972331&Units=SI>

## Legend

**affp:** Proton affinity  
**basg:** Gas basicity  
**hf:** Enthalpy of formation at standard conditions  
**hfl:** Liquid phase enthalpy of formation at standard conditions  
**hvap:** Enthalpy of vaporization at standard conditions  
**ie:** Ionization energy

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