

# Rhenium, pentacarbonyl(pentacarbonylmanganese)-, (Mn-Re)

<b>Other names:</b>	Rhenium, pentacarbonyl(pentacarbonylmanganio)- Decacarbonylmanganeserhenium Manganese rhenium carbonyl (MnRe(CO)10) Manganese, decacarbonylrhenium- MnRe(CO)10
<b>Inchi:</b>	InChI=1S/10CO.Mn.Re/c10*1-2;;
<b>InchiKey:</b>	JHLLDJQETNNXIR-UHFFFAOYSA-N
<b>Formula:</b>	C10MnO10Re
<b>SMILES:</b>	[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].
<b>Mol. weight [g/mol]:</b>	521.25
<b>CAS:</b>	14693-30-2

## Physical Properties

Property code	Value	Unit	Source
hsub	86.00 ± 4.00	kJ/mol	NIST Webbook
ie	8.22 ± 0.01	eV	NIST Webbook
ie	8.14 ± 0.01	eV	NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	109.00 ± 4.00	kJ/mol	363.00	NIST Webbook
hsubt	68.60	kJ/mol	401.50	NIST Webbook
hvapt	56.50	kJ/mol	451.50	NIST Webbook
hvapt	56.50	kJ/mol	451.50	NIST Webbook

## Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C14693302&Units=SI>

# Legend

<b>hsub:</b>	Enthalpy of sublimation at standard conditions
<b>hsubt:</b>	Enthalpy of sublimation at a given temperature
<b>hvapt:</b>	Enthalpy of vaporization at a given temperature
<b>ie:</b>	Ionization energy

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